

IES FLOOD REPORT

PHOTOMETRIC FILENAME : ASD-FLSL-50N50A-XX

DESCRIPTIVE INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TEST]

[TESTLAB] Deliver Co. Ltd.

[MANUFAC]

[TESTDATE] 2019-03-21

[ISSUEDATE] 2019-03-22

[LAMP] ASD-FLSL-50N50A-XX

[MANUFAC] ASD Lighting corp

Note: Candela values converted from Type-C to Type-B

CHARACTERISTICS

NEMA Type	7 H x 7 V
Maximum Candela	1631.48
Maximum Candela Angle	5H 1V
Horizontal Beam Angle (50%)	117.0
Vertical Beam Angle (50%)	117.0
Horizontal Field Angle (10%)	156.0
Vertical Field Angle (10%)	157.7
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Beam Lumens	3696
Beam Efficiency	N.A.
Field Lumens	4696
Field Efficiency	N.A.
Spill Lumens	86
Luminaire Lumens	4783
Total Efficiency	N.A.
Total Luminaire Watts	49.5241
Ballast Factor	1.00

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AXIAL CANDELA

DEG.	HOR.	DEG.	VERT.
90	.07	90	.01
85	36.15	85	5.76
75	378.68	75	294.61
65	722.25	65	631.15
55	1023.65	55	921.68
47.5	1191.47	47.5	1113.8
42.5	1286.99	42.5	1222.31
37.5	1371.25	37.5	1315.27
33	1435.31	33	1386.73
29	1485.04	29	1441.83
25.5	1523.22	25.5	1485.24
22.5	1551.06	22.5	1515.6
19.5	1576.31	19.5	1543.67
17	1590.68	17	1563.26
15	1602.17	15	1578.94
13	1610.03	13	1591.13
11	1617.89	11	1603.32
9	1623.71	9	1612.46
7	1627.48	7	1618.55
5	1631.26	5	1624.64
3	1629.57	3	1625.6
1	1627.88	1	1626.55
0	1627.03	0	1627.03
-1	1624.67	-1	1626.55
-3	1619.96	-3	1625.59
-5	1615.25	-5	1624.63
-7	1604.15	-7	1617.9
-9	1593.05	-9	1611.17
-11	1580.2	-11	1601.97
-13	1565.61	-13	1590.31
-15	1551.02	-15	1578.65
-17	1531.77	-17	1563.6
-19.5	1507.71	-19.5	1544.79
-22.5	1473.57	-22.5	1515.43
-25.5	1437.11	-25.5	1483.58
-29	1387.16	-29	1439.91
-33	1322.68	-33	1381.53
-37.5	1242.74	-37.5	1308.54
-42.5	1141.37	-42.5	1214.66
-47.5	1023.97	-47.5	1101.13
-55	819.62	-55	907.93
-65	494.02	-65	601.57
-75	154.53	-75	215.06
-85	2.61	-85	3.66
-90	.01	-90	.01

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Maximum Candela = 1631.48
 Beam Edge = 815.74 Cd (50% of Max.)
 Field Edge = 163.148 Cd (10% of Max.)
 * Indicates Values Inside Field Edge

Vert. Angles	Horizontal Angles									
	<u>-90.0</u>	<u>-85.0</u>	<u>-75.0</u>	<u>-65.0</u>	<u>-55.0</u>	<u>-47.5</u>	<u>-42.5</u>	<u>-37.5</u>	<u>-33.0</u>	<u>-29.0</u>
90.0	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.01	0.01
85.0	0.00	0.23	0.71	1.31	1.95	2.45	2.79	3.14	3.45	3.73
75.0	0.00	0.69	2.12	14.39	40.70	64.48	97.92	128.18	155.70	179.89 *
65.0	0.00	1.12	11.72	54.07	176.17 *	268.40 *	326.92 *	382.48 *	429.61 *	467.95 *
55.0	0.00	1.52	27.19	155.07	329.28 *	460.65 *	541.87 *	616.56 *	677.93 *	726.71 *
47.5	0.00	1.79	38.61	231.08 *	445.85 *	601.38 *	697.80 *	780.90 *	850.14 *	903.27 *
42.5	0.00	1.95	62.10	281.71 *	518.77 *	690.51 *	789.97 *	880.38 *	951.92 *	1009.77 *
37.5	0.00	2.09	83.24	329.00 *	585.63 *	766.89 *	873.58 *	966.79 *	1039.64 *	1096.71 *
33.0	0.00	2.21	100.13	367.14 *	639.51 *	828.52 *	936.47 *	1031.40 *	1106.54 *	1163.79 *
29.0	0.00	2.30	113.34	396.92 *	681.69 *	873.50 *	986.07 *	1081.12 *	1155.90 *	1219.35 *
25.5	0.00	2.37	123.45	419.96 *	711.94 *	907.59 *	1020.65 *	1118.66 *	1194.29 *	1254.35 *
22.5	0.00	2.43	131.03	437.36 *	734.77 *	933.79 *	1047.57 *	1145.76 *	1221.93 *	1283.21 *
19.5	0.00	2.48	137.58	452.55 *	756.01 *	956.98 *	1071.71 *	1170.63 *	1246.87 *	1308.35 *
17.0	0.01	2.51	142.24	463.46 *	771.56 *	973.07 *	1089.50 *	1189.42 *	1265.72 *	1327.10 *
15.0	0.01	2.53	145.44	471.03 *	782.54 *	984.65 *	1100.91 *	1202.96 *	1279.20 *	1341.10 *
13.0	0.01	2.55	148.18	477.55 *	792.16 *	994.82 *	1111.10 *	1213.16 *	1291.16 *	1353.58 *
11.0	0.01	2.62	150.44	483.02 *	800.41 *	1003.53 *	1120.17 *	1221.98 *	1300.81 *	1364.43 *
9.0	0.01	2.62	152.24	487.43 *	807.23 *	1010.74 *	1127.68 *	1229.38 *	1308.62 *	1373.52 *
7.0	0.01	2.62	153.56	490.77 *	812.61 *	1016.42 *	1133.60 *	1235.21 *	1314.82 *	1380.03 *
5.0	0.01	2.61	155.86	493.04 *	816.50 *	1020.56 *	1137.89 *	1239.44 *	1319.29 *	1384.22 *
3.0	0.01	2.61	155.33	495.44 *	820.63 *	1023.12 *	1140.53 *	1242.01 *	1321.99 *	1386.72 *
1.0	0.01	2.61	154.80	494.49 *	819.96 *	1024.08 *	1141.51 *	1242.92 *	1322.90 *	1387.46 *
0.0	0.01	2.61	154.53	494.02 *	819.62 *	1023.97 *	1141.37 *	1242.74 *	1322.68 *	1387.16 *
-1.0	0.01	2.61	154.66	494.05 *	819.83 *	1023.89 *	1141.34 *	1242.76 *	1322.69 *	1387.14 *
-3.0	0.01	2.61	154.91	494.11 *	820.26 *	1022.54 *	1140.04 *	1241.53 *	1321.38 *	1385.72 *
-5.0	0.01	2.61	155.17	490.84 *	815.87 *	1019.58 *	1137.08 *	1238.62 *	1318.33 *	1382.46 *
-7.0	0.01	2.60	152.60	487.70 *	811.68 *	1015.02 *	1132.48 *	1234.02 *	1313.58 *	1377.35 *
-9.0	0.01	2.60	151.00	483.50 *	805.98 *	1008.88 *	1126.27 *	1227.78 *	1307.22 *	1370.36 *
-11.0	0.01	2.60	148.94	478.25 *	798.78 *	1001.17 *	1118.48 *	1219.93 *	1299.76 *	1362.21 *
-13.0	0.01	2.53	146.42	471.95 *	790.10 *	991.92 *	1109.16 *	1210.97 *	1290.78 *	1352.32 *
-15.0	0.01	2.51	143.43	464.62 *	779.98 *	981.17 *	1098.71 *	1200.82 *	1279.05 *	1340.79 *
-17.0	0.01	2.48	139.98	456.27 *	768.44 *	968.93 *	1086.82 *	1187.33 *	1265.67 *	1327.75 *
-19.5	0.00	2.44	135.02	444.42 *	752.07 *	952.09 *	1068.05 *	1168.29 *	1246.75 *	1309.73 *
-22.5	0.00	2.39	128.13	428.18 *	729.67 *	927.99 *	1042.55 *	1142.63 *	1221.24 *	1283.14 *
-25.5	0.00	2.33	120.23	409.78 *	705.46 *	900.56 *	1014.06 *	1114.18 *	1191.50 *	1252.20 *
-29.0	0.00	2.26	109.77	385.70 *	673.90 *	864.63 *	977.36 *	1074.50 *	1150.56 *	1214.70 *
-33.0	0.00	2.16	96.21	354.86 *	629.64 *	817.37 *	925.44 *	1022.80 *	1098.58 *	1156.19 *
-37.5	0.00	2.04	78.99	316.42 *	573.62 *	754.87 *	861.66 *	957.01 *	1030.29 *	1087.90 *
-42.5	0.00	1.90	57.55	269.73 *	504.79 *	678.67 *	777.84 *	871.22 *	942.93 *	1001.13 *
-47.5	0.00	1.74	33.84	219.58 *	430.67 *	587.62 *	683.40 *	768.64 *	840.06 *	892.41 *
-55.0	0.00	1.47	23.39	144.21	311.74 *	442.79 *	525.82 *	599.60 *	661.21 *	711.28 *
-65.0	0.00	1.08	10.03	45.46	159.36	247.49 *	302.98 *	357.62 *	405.91 *	444.89 *
-75.0	0.00	0.66	1.89	11.66	31.63	47.78	78.68	107.69	133.47	155.49
-85.0	0.00	0.22	0.63	1.01	1.39	1.70	1.94	2.21	2.45	2.66
-90.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01

Vert. Angles	Horizontal Angles									
	<u>-25.5</u>	<u>-22.5</u>	<u>-19.5</u>	<u>-17.0</u>	<u>-15.0</u>	<u>-13.0</u>	<u>-11.0</u>	<u>-9.0</u>	<u>-7.0</u>	<u>-5.0</u>
90.0	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
85.0	4.03	4.28	4.53	4.73	4.89	5.02	5.24	5.34	5.43	5.53
75.0	199.40 *	214.73 *	228.69 *	239.24 *	246.94 *	255.25 *	263.29 *	270.64 *	277.27 *	285.61 *
65.0	498.55 *	522.51 *	544.31 *	560.79 *	572.88 *	583.93 *	593.90 *	602.88 *	610.89 *	617.91 *
55.0	763.60 *	792.92 *	819.37 *	839.13 *	853.42 *	866.33 *	878.38 *	889.31 *	898.90 *	907.13 *

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CANDELA TABULATION - (Cont.)

47.5	944.44 *	976.56 *	1006.61 *	1028.44 *	1043.29 *	1056.66 *	1068.63 *	1080.17 *	1090.25 *	1098.85 *
42.5	1051.03 *	1084.49 *	1115.36 *	1138.25 *	1153.23 *	1166.38 *	1178.27 *	1189.48 *	1199.53 *	1208.00 *
37.5	1142.24 *	1175.85 *	1206.44 *	1229.46 *	1246.44 *	1260.28 *	1272.84 *	1284.04 *	1293.69 *	1301.80 *
33.0	1210.79 *	1245.69 *	1275.51 *	1298.22 *	1315.40 *	1331.26 *	1344.62 *	1356.02 *	1365.62 *	1373.57 *
29.0	1262.50 *	1298.12 *	1329.74 *	1352.05 *	1368.70 *	1384.30 *	1398.33 *	1410.70 *	1420.75 *	1428.60 *
25.5	1302.73 *	1338.15 *	1369.87 *	1394.40 *	1410.62 *	1424.85 *	1438.23 *	1450.36 *	1461.12 *	1470.14 *
22.5	1331.46 *	1368.26 *	1400.97 *	1423.49 *	1439.96 *	1454.91 *	1469.25 *	1481.44 *	1492.11 *	1501.03 *
19.5	1357.39 *	1395.38 *	1426.59 *	1450.67 *	1467.58 *	1482.18 *	1495.40 *	1508.55 *	1520.06 *	1529.72 *
17.0	1377.34 *	1413.93 *	1447.19 *	1470.42 *	1487.24 *	1503.06 *	1517.46 *	1529.21 *	1540.28 *	1549.75 *
15.0	1390.86 *	1427.80 *	1461.48 *	1484.57 *	1502.17 *	1518.50 *	1531.67 *	1543.64 *	1555.22 *	1565.42 *
13.0	1402.70 *	1440.70 *	1473.16 *	1497.49 *	1515.70 *	1530.62 *	1544.80 *	1557.85 *	1569.02 *	1577.86 *
11.0	1412.93 *	1451.90 *	1483.39 *	1508.96 *	1525.87 *	1541.82 *	1556.94 *	1569.15 *	1578.99 *	1588.03 *
9.0	1421.40 *	1459.39 *	1491.98 *	1517.10 *	1534.65 *	1551.64 *	1565.99 *	1577.77 *	1588.64 *	1598.06 *
7.0	1428.08 *	1465.24 *	1498.74 *	1523.29 *	1541.66 *	1559.08 *	1572.58 *	1585.43 *	1597.10 *	1604.31 *
5.0	1433.13 *	1469.78 *	1503.72 *	1527.66 *	1546.71 *	1563.00 *	1577.29 *	1591.39 *	1601.02 *	1609.11 *
3.0	1436.24 *	1472.72 *	1506.84 *	1530.84 *	1550.04 *	1565.24 *	1579.74 *	1593.28 *	1603.34 *	1612.79 *
1.0	1437.33 *	1473.77 *	1507.90 *	1532.01 *	1551.63 *	1566.04 *	1580.70 *	1593.54 *	1604.22 *	1615.08 *
0.0	1437.11 *	1473.57 *	1507.71 *	1531.77 *	1551.02 *	1565.61 *	1580.20 *	1593.05 *	1604.15 *	1615.25 *
-1.0										
	1437.34 *	1473.91 *	1508.12 *	1532.18 *	1551.75 *	1565.99 *	1580.43 *	1593.21 *	1604.17 *	1615.55 *
-3.0	1436.22 *	1473.12 *	1507.52 *	1531.37 *	1550.41 *	1565.18 *	1579.03 *	1591.85 *	1602.09 *	1611.78 *
-5.0	1432.94 *	1470.39 *	1504.86 *	1528.44 *	1546.82 *	1562.17 *	1575.34 *	1588.19 *	1598.52 *	1607.86 *
-7.0	1427.50 *	1465.82 *	1499.56 *	1523.53 *	1541.01 *	1557.29 *	1569.90 *	1582.35 *	1593.98 *	1602.52 *
-9.0	1420.44 *	1459.50 *	1492.28 *	1517.07 *	1533.59 *	1549.71 *	1563.36 *	1574.80 *	1586.09 *	1595.90 *
-11.0	1411.81 *	1451.53 *	1483.18 *	1508.97 *	1525.17 *	1540.26 *	1554.44 *	1566.94 *	1577.30 *	1586.99 *
-13.0	1401.68 *	1440.00 *	1472.80 *	1497.45 *	1515.51 *	1529.61 *	1543.71 *	1556.88 *	1568.29 *	1577.57 *
-15.0	1390.22 *	1427.33 *	1461.38 *	1484.72 *	1502.26 *	1518.85 *	1532.15 *	1544.32 *	1555.92 *	1566.15 *
-17.0	1377.20 *	1413.79 *	1447.45 *	1470.99 *	1488.24 *	1504.63 *	1519.54 *	1531.50 *	1542.63 *	1552.25 *
-19.5	1357.49 *	1395.46 *	1427.10 *	1452.13 *	1470.11 *	1485.36 *	1499.20 *	1512.31 *	1524.12 *	1534.28 *
-22.5	1331.11 *	1367.98 *	1401.41 *	1424.78 *	1442.45 *	1459.05 *	1474.29 *	1486.08 *	1496.60 *	1504.84 *
-25.5	1301.00 *	1336.67 *	1369.22 *	1394.42 *	1411.39 *	1426.47 *	1440.41 *	1453.01 *	1464.11 *	1472.34 *
-29.0	1258.14 *	1294.89 *	1327.50 *	1350.37 *	1367.37 *	1383.13 *	1397.29 *	1409.74 *	1419.92 *	1427.73 *
-33.0	1204.20 *	1239.76 *	1270.48 *	1293.96 *	1311.62 *	1327.58 *	1340.89 *	1352.26 *	1361.67 *	1369.34 *
-37.5	1134.51 *	1168.77 *	1199.46 *	1223.12 *	1240.71 *	1255.39 *	1268.55 *	1280.01 *	1289.05 *	1296.56 *
-42.5	1043.30 *	1077.54 *	1109.13 *	1132.90 *	1148.49 *	1162.20 *	1174.67 *	1185.52 *	1194.70 *	1202.35 *
-47.5	933.89 *	967.28 *	998.45 *	1020.64 *	1035.56 *	1049.13 *	1061.30 *	1072.02 *	1081.22 *	1088.87 *
-55.0	748.50 *	777.95 *	804.71 *	824.82 *	839.43 *	852.72 *	864.84 *	875.75 *	885.31 *	893.52 *
-65.0	475.73 *	499.73 *	521.32 *	537.48 *	549.22 *	559.72 *	568.83 *	576.96 *	584.11 *	590.29 *
-75.0	168.02 *	177.01 *	184.40 *	189.32 *	192.46 *	196.96 *	201.50 *	205.43 *	208.72 *	213.47 *
-85.0	2.85	3.00	3.15	3.27	3.36	3.41	3.53	3.55	3.58	3.60
-90.0	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01

Vert. Horizontal Angles

	-3.0	-1.0	0.0	1.0	3.0	5.0	7.0	9.0	11.0	13.0
90.0	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
85.0	5.62	5.71	5.76	5.81	5.91	6.00	6.10	6.20	6.30	6.23
75.0	289.21 *	292.81 *	294.61 *	297.12 *	302.14 *	307.16 *	307.02 *	308.52 *	309.04 *	308.55 *
65.0	625.05 *	629.11 *	631.15 *	632.58 *	635.43 *	635.16 *	634.97 *	633.71 *	631.36 *	627.91 *
55.0	915.55 *	919.64 *	921.68 *	923.57 *	927.35 *	926.77 *	926.35 *	924.54 *	921.34 *	917.11 *
47.5	1105.95 *	1111.56 *	1113.80 *	1115.22 *	1116.98 *	1117.37 *	1116.46 *	1114.34 *	1111.12 *	1107.39 *
42.5	1214.89 *	1220.22 *	1222.31 *	1223.34 *	1224.27 *	1223.66 *	1221.51 *	1217.84 *	1213.23 *	1208.24 *
37.5	1308.37 *	1313.36 *	1315.27 *	1316.36 *	1317.37 *	1316.86 *	1314.87 *	1311.45 *	1307.36 *	1302.06 *
33.0	1379.98 *	1384.86 *	1386.73 *	1387.75 *	1388.65 *	1388.04 *	1385.97 *	1382.75 *	1378.69 *	1372.85 *
29.0	1435.02 *	1439.95 *	1441.83 *	1442.81 *	1443.61 *	1442.95 *	1440.90 *	1437.60 *	1432.39 *	1425.75 *
25.5	1477.47 *	1483.09 *	1485.24 *	1485.99 *	1486.17 *	1484.67 *	1481.71 *	1477.78 *	1472.64 *	1466.46 *
22.5	1508.11 *	1513.52 *	1515.60 *	1516.41 *	1516.82 *	1515.62 *	1513.15 *	1509.36 *	1504.12 *	1496.92 *
19.5	1536.67 *	1541.74 *	1543.67 *	1544.58 *	1545.29 *	1544.33 *	1541.67 *	1537.27 *	1531.27 *	1524.95 *
17.0	1556.77 *	1561.58 *	1563.26 *	1564.11 *	1564.50 *	1563.56 *	1561.84 *	1558.55 *	1553.88 *	1546.38 *
15.0	1572.96 *	1577.76 *	1578.94 *	1579.97 *	1579.79 *	1578.85 *	1576.81 *	1573.05 *	1568.06 *	1562.13 *
13.0	1584.81 *	1589.44 *	1591.13 *	1591.78 *	1591.81 *	1591.77 *	1591.07 *	1587.17 *	1581.31 *	1574.47 *
11.0	1595.53 *	1601.20 *	1603.32 *	1603.71 *	1603.11 *	1602.58 *	1601.00 *	1598.46 *	1593.77 *	1585.60 *

CANDELA TABULATION - (Cont.)

9.0	1604.82 *	1610.16 *	1612.46 *	1612.76 *	1612.99 *	1612.75 *	1610.48 *	1607.19 *	1602.67 *	1595.74 *
7.0	1610.65 *	1616.12 *	1618.55 *	1618.64 *	1618.88 *	1619.12 *	1619.08 *	1614.73 *	1609.54 *	1603.47 *
5.0	1616.25 *	1622.33 *	1624.64 *	1624.63 *	1624.56 *	1624.28 *	1623.34 *	1621.05 *	1614.07 *	1607.19 *
3.0	1619.29 *	1623.31 *	1625.60 *	1625.77 *	1627.93 *	1628.59 *	1626.18 *	1622.87 *	1616.73 *	1609.52 *
1.0	1619.64 *	1624.45 *	1626.55 *	1627.33 *	1629.67 *	1631.48 *	1627.44 *	1623.63 *	1617.82 *	1610.13 *
0.0	1619.96 *	1624.67 *	1627.03 *	1627.88 *	1629.57 *	1631.26 *	1627.48 *	1623.71 *	1617.89 *	1610.03 *
-1.0	1619.87 *	1624.48 *	1626.55 *	1627.75 *	1629.37 *	1630.89 *	1627.24 *	1623.63 *	1617.72 *	1609.79 *
-3.0	1619.39 *	1623.85 *	1625.59 *	1626.74 *	1629.18 *	1629.11 *	1626.19 *	1622.95 *	1616.29 *	1608.40 *
-5.0	1616.42 *	1623.00 *	1624.63 *	1625.89 *	1625.67 *	1625.43 *	1623.74 *	1620.87 *	1613.14 *	1605.48 *
-7.0	1610.35 *	1616.10 *	1617.90 *	1619.14 *	1620.21 *	1620.27 *	1619.79 *	1614.57 *	1608.26 *	1601.21 *
-9.0	1604.41 *	1609.48 *	1611.17 *	1612.57 *	1614.31 *	1614.11 *	1611.25 *	1607.25 *	1601.69 *	1594.09 *
-11.0	1595.59 *	1600.36 *	1601.97 *	1603.36 *	1604.66 *	1603.92 *	1601.82 *	1598.60 *	1593.44 *	1585.10 *
-13.0	1584.93 *	1588.93 *	1590.31 *	1591.77 *	1593.46 *	1593.37 *	1591.97 *	1587.86 *	1582.00 *	1575.09 *
-15.0	1573.38 *	1577.64 *	1578.65 *	1580.36 *	1581.62 *	1581.12 *	1578.78 *	1574.94 *	1569.85 *	1563.81 *
-17.0	1558.46 *	1562.32 *	1563.60 *	1565.08 *	1566.78 *	1566.75 *	1564.87 *	1561.63 *	1556.94 *	1549.63 *
-19.5	1539.76 *	1543.49 *	1544.79 *	1546.28 *	1548.18 *	1548.41 *	1545.79 *	1541.84 *	1536.81 *	1530.50 *
-22.5	1510.33 *	1514.15 *	1515.43 *	1516.98 *	1518.84 *	1519.11 *	1517.77 *	1515.10 *	1511.37 *	1503.92 *
-25.5	1478.29 *	1482.29 *	1483.58 *	1485.20 *	1487.07 *	1487.17 *	1485.52 *	1482.06 *	1477.00 *	1470.45 *
-29.0	1433.84 *	1438.29 *	1439.91 *	1441.52 *	1443.56 *	1444.07 *	1443.08 *	1439.74 *	1434.14 *	1427.14 *
-33.0	1375.43 *	1379.90 *	1381.53 *	1383.15 *	1385.18 *	1385.60 *	1384.48 *	1381.82 *	1377.70 *	1371.87 *
-37.5	1302.52 *	1306.92 *	1308.54 *	1310.18 *	1312.31 *	1312.92 *	1312.04 *	1309.70 *	1305.61 *	1300.05 *
-42.5	1208.45 *	1212.98 *	1214.66 *	1216.33 *	1218.49 *	1219.12 *	1218.23 *	1215.87 *	1212.14 *	1207.25 *
-47.5	1094.96 *	1099.47 *	1101.13 *	1103.04 *	1105.68 *	1106.80 *	1106.44 *	1104.65 *	1101.49 *	1097.88 *
-55.0	901.95 *	905.94 *	907.93 *	909.88 *	913.77 *	913.23 *	912.91 *	911.23 *	908.22 *	903.86 *
-65.0	596.56 *	599.90 *	601.57 *	603.54 *	607.47 *	608.44 *	609.48 *	609.51 *	608.52 *	606.49 *
-75.0	214.11 *	214.74 *	215.06 *	218.06 *	224.07 *	230.07 *	231.71 *	234.80 *	237.09 *	238.58 *
-85.0	3.62	3.65	3.66	3.75	3.94	4.13	4.32	4.51	4.70	4.76
-90.0	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01

Vert. Angles Horizontal Angles

	15.0	17.0	19.5	22.5	25.5	29.0	33.0	37.5	42.5	47.5
90.0	0.01	0.01	0.01	0.01	0.02	0.02	0.02	0.03	0.04	0.04
85.0	6.28	6.59	6.95	7.35	7.71	8.07	11.45	15.73	19.68	21.19
75.0	307.26 *	305.92 *	303.18 *	298.38 *	292.05 *	282.82 *	266.16 *	249.64 *	235.67 *	207.76 *
65.0	623.78 *	618.86 *	611.38 *	600.50 *	587.61 *	569.72 *	544.72 *	512.02 *	469.49 *	423.06 *
55.0	912.29 *	906.09 *	896.42 *	882.05 *	864.74 *	840.99 *	806.13 *	760.49 *	702.78 *	635.55 *
47.5	1102.52 *	1096.52 *	1085.09 *	1067.26 *	1046.42 *	1018.97 *	982.15 *	929.57 *	863.67 *	783.98 *
42.5	1201.99 *	1194.39 *	1182.62 *	1165.77 *	1146.23 *	1121.16 *	1080.13 *	1026.25 *	954.01 *	874.24 *
37.5	1295.53 *	1285.74 *	1271.64 *	1251.25 *	1228.94 *	1199.53 *	1160.73 *	1105.57 *	1034.12 *	947.86 *
33.0	1364.53 *	1354.95 *	1340.46 *	1320.36 *	1295.96 *	1263.07 *	1221.28 *	1164.71 *	1091.25 *	1006.98 *
29.0	1417.77 *	1408.19 *	1394.40 *	1372.87 *	1347.41 *	1315.79 *	1268.43 *	1211.59 *	1136.83 *	1049.31 *
25.5	1459.25 *	1449.81 *	1434.09 *	1413.07 *	1388.29 *	1351.87 *	1306.15 *	1248.12 *	1170.44 *	1081.46 *
22.5	1489.03 *	1479.52 *	1465.57 *	1443.24 *	1417.36 *	1382.08 *	1334.66 *	1274.48 *	1196.70 *	1106.84 *
19.5	1517.71 *	1508.23 *	1492.40 *	1470.55 *	1443.56 *	1408.70 *	1359.97 *	1298.95 *	1220.39 *	1130.02 *
17.0	1538.01 *	1528.60 *	1513.42 *	1489.82 *	1463.88 *	1426.92 *	1379.03 *	1317.71 *	1238.04 *	1146.65 *
15.0	1553.14 *	1542.35 *	1527.84 *	1504.29 *	1477.49 *	1440.27 *	1392.80 *	1331.47 *	1249.87 *	1156.56 *
13.0	1566.49 *	1555.31 *	1539.76 *	1517.35 *	1489.07 *	1452.42 *	1405.18 *	1342.49 *	1259.45 *	1165.27 *
11.0	1576.85 *	1567.33 *	1550.25 *	1528.18 *	1499.26 *	1463.29 *	1415.21 *	1351.44 *	1267.30 *	1172.77 *
9.0	1586.23 *	1575.67 *	1558.93 *	1535.83 *	1507.99 *	1472.79 *	1422.65 *	1358.05 *	1273.89 *	1179.02 *
7.0	1593.09 *	1582.00 *	1566.41 *	1542.35 *	1514.93 *	1478.58 *	1427.88 *	1363.36 *	1279.17 *	1184.01 *
5.0	1598.43 *	1587.03 *	1572.28 *	1546.81 *	1519.15 *	1482.05 *	1431.75 *	1367.33 *	1283.12 *	1187.73 *
3.0	1601.48 *	1589.65 *	1574.96 *	1549.58 *	1521.93 *	1484.25 *	1434.22 *	1369.94 *	1285.71 *	1190.18 *
1.0	1602.53 *	1590.68 *	1576.15 *	1550.93 *	1523.18 *	1485.11 *	1435.30 *	1371.16 *	1286.91 *	1191.36 *
0.0	1602.17 *	1590.68 *	1576.31 *	1551.06 *	1523.22 *	1485.04 *	1435.31 *	1371.25 *	1286.99 *	1191.47 *
-1.0	1602.01 *	1590.36 *	1576.03 *	1550.84 *	1523.06 *	1484.80 *	1434.97 *	1370.93 *	1286.66 *	1191.14 *
-3.0	1600.02 *	1588.75 *	1574.61 *	1549.30 *	1521.54 *	1483.29 *	1433.23 *	1369.25 *	1284.95 *	1189.52 *
-5.0	1596.53 *	1585.76 *	1571.78 *	1546.35 *	1518.41 *	1480.40 *	1430.10 *	1366.22 *	1281.83 *	1186.65 *
-7.0	1591.25 *	1580.78 *	1565.77 *	1541.74 *	1513.70 *	1476.14 *	1425.58 *	1361.85 *	1277.30 *	1182.53 *
-9.0	1584.57 *	1574.57 *	1558.19 *	1535.17 *	1506.68 *	1469.88 *	1419.69 *	1356.19 *	1271.38 *	1177.19 *
-11.0	1576.27 *	1566.71 *	1549.45 *	1527.51 *	1498.14 *	1461.23 *	1412.51 *	1349.29 *	1264.09 *	1170.64 *

CANDELA TABULATION - (Cont.)

-13.0	1566.98 *	1555.70 *	1539.65 *	1516.77 *	1488.34 *	1451.37 *	1403.78 *	1340.93 *	1255.46 *	1162.92 *
-15.0	1554.95 *	1544.07 *	1529.08 *	1504.63 *	1477.37 *	1440.42 *	1392.78 *	1331.12 *	1245.44 *	1154.05 *
-17.0	1541.39 *	1531.95 *	1516.10 *	1491.44 *	1464.85 *	1428.48 *	1380.35 *	1317.84 *	1233.90 *	1144.07 *
-19.5	1523.25 *	1513.24 *	1496.59 *	1473.63 *	1445.86 *	1411.81 *	1362.92 *	1299.34 *	1216.98 *	1127.43 *
-22.5	1494.60 *	1484.32 *	1470.32 *	1447.06 *	1420.17 *	1385.20 *	1339.12 *	1274.71 *	1193.87 *	1103.64 *
-25.5	1462.58 *	1452.95 *	1437.21 *	1415.89 *	1390.52 *	1354.38 *	1308.86 *	1247.67 *	1167.87 *	1077.05 *
-29.0	1418.87 *	1409.27 *	1395.45 *	1373.78 *	1348.23 *	1317.05 *	1267.61 *	1209.33 *	1134.09 *	1042.71 *
-33.0	1363.59 *	1353.79 *	1339.23 *	1319.17 *	1294.54 *	1259.60 *	1216.52 *	1160.77 *	1085.14 *	997.64 *
-37.5	1293.09 *	1283.29 *	1269.43 *	1249.12 *	1225.63 *	1193.82 *	1154.33 *	1099.47 *	1024.49 *	937.29 *
-42.5	1201.21 *	1193.58 *	1180.98 *	1162.87 *	1141.37 *	1114.65 *	1072.53 *	1018.14 *	942.44 *	862.69 *
-47.5	1093.22 *	1087.51 *	1076.32 *	1057.29 *	1034.44 *	1006.24 *	970.78 *	916.68 *	848.59 *	772.04 *
-55.0	898.11 *	891.17 *	880.87 *	866.26 *	849.36 *	826.07 *	790.12 *	744.08 *	688.45 *	620.57 *
-65.0	603.46 *	599.30 *	592.40 *	581.58 *	567.93 *	548.80 *	523.82 *	491.85 *	450.65 *	404.49 *
-75.0	240.42 *	244.85 *	248.83 *	251.18 *	250.72 *	246.43 *	230.92 *	215.00 *	200.95 *	178.21 *
-85.0	4.90	5.09	5.30	5.54	5.74	5.94	8.20	11.08	13.73	15.57
-90.0	0.01	0.01	0.01	0.01	0.01	0.01	0.02	0.02	0.03	0.03

Vert. Horizontal Angles

	<u>55.0</u>	<u>65.0</u>	<u>75.0</u>	<u>85.0</u>	<u>90.0</u>
90.0	0.04	0.03	0.02	0.01	0.00
85.0	20.29	15.91	9.57	3.17	0.01
75.0	149.13	76.27	28.42	9.42	0.02
65.0	341.04 *	199.19 *	74.80	15.37	0.03
55.0	522.51 *	343.99 *	141.47	20.85	0.04
47.5	647.39 *	438.87 *	187.38 *	24.55	0.05
42.5	723.39 *	495.48 *	224.07 *	26.78	0.05
37.5	787.87 *	548.13 *	257.43 *	28.81	0.06
33.0	840.15 *	588.39 *	284.37 *	30.44	0.06
29.0	881.44 *	618.76 *	305.70 *	31.73	0.06
25.5	912.03 *	642.32 *	322.27 *	32.73	0.07
22.5	935.82 *	660.19 *	334.86 *	33.50	0.07
19.5	957.19 *	675.86 *	345.91 *	34.16	0.07
17.0	972.86 *	687.21 *	353.92 *	34.65	0.07
15.0	983.95 *	695.16 *	359.54 *	34.99	0.07
13.0	993.72 *	702.09 *	364.45 *	35.29	0.07
11.0	1002.15 *	707.99 *	368.64 *	36.21	0.07
9.0	1009.21 *	712.88 *	372.11 *	36.20	0.07
7.0	1014.89 *	716.74 *	374.85 *	36.19	0.07
5.0	1019.16 *	719.58 *	379.14 *	36.18	0.07
3.0	1023.63 *	722.54 *	378.96 *	36.17	0.07
1.0	1023.64 *	722.35 *	378.77 *	36.15	0.07
0.0	1023.65 *	722.25 *	378.68 *	36.15	0.07
-1.0	1023.55 *	722.20 *	378.75 *	36.15	0.07
-3.0	1023.34 *	722.11 *	378.89 *	36.14	0.07
-5.0	1018.71 *	718.86 *	379.04 *	36.13	0.07
-7.0	1014.29 *	715.71 *	374.71 *	36.12	0.07
-9.0	1008.52 *	711.52 *	371.95 *	36.11	0.07
-11.0	1001.41 *	706.28 *	368.46 *	36.10	0.07
-13.0	992.99 *	699.99 *	364.26 *	35.16	0.07
-15.0	983.30 *	692.65 *	359.36 *	34.85	0.07
-17.0	972.37 *	684.25 *	353.75 *	34.49	0.07
-19.5	957.03 *	672.27 *	345.77 *	33.99	0.07
-22.5	936.25 *	655.75 *	334.80 *	33.30	0.07
-25.5	911.72 *	636.92 *	322.33 *	32.52	0.07
-29.0	880.26 *	612.08 *	305.95 *	31.50	0.06
-33.0	836.32 *	580.03 *	284.90 *	30.19	0.06
-37.5	781.55 *	538.72 *	258.40 *	28.54	0.06
-42.5	715.24 *	487.24 *	225.65 *	26.51	0.05
-47.5	634.92 *	431.81 *	189.69 *	24.28	0.05
-55.0	504.53 *	338.75 *	142.91	20.60	0.04

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CANDELA TABULATION - (Cont.)

-65.0	326.38 *	197.79 *	74.42	15.16	0.03
-75.0	137.89	73.31	27.20	9.28	0.02
-85.0	16.85	14.42	9.15	3.12	0.01
-90.0	0.03	0.03	0.02	0.01	0.00

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LUMEN TABULATION

Average Of Right And Left Sides
 Total Luminaire Lumens (one side of beam only) = 2391.38
 Total Field Lumens (one side of beam only) = 2348.14
 * Indicates Values Inside Field Edge

Vert. Angles	Horizontal Angles									
	<u>0</u>	<u>1</u>	<u>3</u>	<u>5</u>	<u>7</u>	<u>9</u>	<u>11</u>	<u>13</u>	<u>15</u>	<u>17</u>
90	0.00	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
85	0.46	0.92	0.92	0.91	0.89	0.88	0.86	0.84	0.82	0.99
75	1.41 *	2.82 *	2.81 *	2.78 *	2.75 *	2.71 *	2.66 *	2.61 *	2.54 *	3.08 *
65	2.36 *	4.72 *	4.70 *	4.66 *	4.62 *	4.56 *	4.48 *	4.40 *	4.31 *	5.24 *
55	2.32 *	4.64 *	4.62 *	4.59 *	4.55 *	4.49 *	4.43 *	4.36 *	4.27 *	5.21 *
47.5	1.78 *	3.55 *	3.54 *	3.51 *	3.48 *	3.44 *	3.39 *	3.34 *	3.28 *	4.00 *
42.5	1.93 *	3.86 *	3.84 *	3.82 *	3.78 *	3.74 *	3.69 *	3.63 *	3.57 *	4.35 *
37.5	1.85 *	3.70 *	3.68 *	3.66 *	3.63 *	3.59 *	3.54 *	3.49 *	3.42 *	4.17 *
33	1.72 *	3.44 *	3.43 *	3.41 *	3.38 *	3.34 *	3.30 *	3.25 *	3.19 *	3.89 *
29	1.56 *	3.11 *	3.10 *	3.08 *	3.06 *	3.02 *	2.98 *	2.94 *	2.89 *	3.52 *
25.5	1.37 *	2.74 *	2.73 *	2.71 *	2.68 *	2.66 *	2.62 *	2.58 *	2.54 *	3.10 *
22.5	1.40 *	2.79 *	2.78 *	2.76 *	2.74 *	2.71 *	2.67 *	2.63 *	2.59 *	3.16 *
19.5	1.18 *	2.36 *	2.35 *	2.34 *	2.32 *	2.29 *	2.26 *	2.23 *	2.19 *	2.68 *
17	0.96 *	1.91 *	1.90 *	1.89 *	1.88 *	1.86 *	1.83 *	1.80 *	1.77 *	2.17 *
15	0.97 *	1.93 *	1.92 *	1.91 *	1.89 *	1.87 *	1.85 *	1.82 *	1.79 *	2.18 *
13	0.97 *	1.94 *	1.93 *	1.92 *	1.91 *	1.89 *	1.86 *	1.84 *	1.80 *	2.20 *
11	0.98 *	1.96 *	1.95 *	1.94 *	1.92 *	1.90 *	1.88 *	1.85 *	1.81 *	2.22 *
9	0.98 *	1.96 *	1.96 *	1.95 *	1.93 *	1.91 *	1.89 *	1.86 *	1.82 *	2.23 *
7	0.99 *	1.97 *	1.96 *	1.95 *	1.94 *	1.92 *	1.89 *	1.86 *	1.83 *	2.23 *
5	0.99 *	1.98 *	1.97 *	1.96 *	1.94 *	1.92 *	1.90 *	1.87 *	1.83 *	2.24 *
3	0.99 *	1.98 *	1.97 *	1.96 *	1.94 *	1.92 *	1.90 *	1.87 *	1.84 *	2.24 *
1	0.50 *	0.99 *	0.99 *	0.98 *	0.97 *	0.96 *	0.95 *	0.94 *	0.92 *	1.12 *
0	0.50 *	0.99 *	0.99 *	0.98 *	0.97 *	0.96 *	0.95 *	0.94 *	0.92 *	1.12 *
-1	0.99 *	1.98 *	1.97 *	1.96 *	1.94 *	1.92 *	1.90 *	1.87 *	1.84 *	2.24 *
-3	0.99 *	1.98 *	1.97 *	1.96 *	1.94 *	1.92 *	1.90 *	1.87 *	1.83 *	2.24 *
-5	0.99 *	1.97 *	1.96 *	1.95 *	1.94 *	1.92 *	1.89 *	1.86 *	1.83 *	2.23 *
-7	0.98 *	1.96 *	1.96 *	1.95 *	1.93 *	1.91 *	1.88 *	1.86 *	1.82 *	2.23 *

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LUMENS TABULATION - (Cont.)

-9	0.98 *	1.96 *	1.95 *	1.94 *	1.92 *	1.90 *	1.87 *	1.85 *	1.81 *	2.21 *
-11	0.97 *	1.94 *	1.94 *	1.92 *	1.91 *	1.89 *	1.86 *	1.83 *	1.80 *	2.20 *
-13	0.97 *	1.93 *	1.92 *	1.91 *	1.89 *	1.87 *	1.85 *	1.82 *	1.79 *	2.18 *
-15	0.96 *	1.91 *	1.91 *	1.89 *	1.88 *	1.86 *	1.83 *	1.81 *	1.77 *	2.17 *
-17	1.18 *	2.37 *	2.36 *	2.34 *	2.32 *	2.30 *	2.27 *	2.23 *	2.19 *	2.68 *
-19.5	1.40 *	2.79 *	2.79 *	2.77 *	2.75 *	2.72 *	2.68 *	2.64 *	2.59 *	3.16 *
-22.5	1.37 *	2.74 *	2.73 *	2.71 *	2.69 *	2.66 *	2.63 *	2.59 *	2.54 *	3.10 *
-25.5	1.56 *	3.11 *	3.10 *	3.09 *	3.06 *	3.03 *	2.99 *	2.94 *	2.89 *	3.52 *
-29	1.72 *	3.43 *	3.42 *	3.40 *	3.38 *	3.34 *	3.30 *	3.24 *	3.18 *	3.88 *
-33	1.84 *	3.68 *	3.67 *	3.65 *	3.62 *	3.58 *	3.54 *	3.48 *	3.41 *	4.16 *
-37.5	1.92 *	3.84 *	3.83 *	3.80 *	3.77 *	3.73 *	3.68 *	3.62 *	3.56 *	4.34 *
-42.5	1.76 *	3.52 *	3.51 *	3.49 *	3.46 *	3.42 *	3.38 *	3.32 *	3.26 *	3.98 *
-47.5	2.29 *	4.59 *	4.57 *	4.54 *	4.50 *	4.44 *	4.38 *	4.31 *	4.22 *	5.14 *
-55	2.30 *	4.60 *	4.58 *	4.54 *	4.50 *	4.44 *	4.37 *	4.30 *	4.20 *	5.11 *
-65	1.24 *	2.50 *	2.50 *	2.48 *	2.46 *	2.43 *	2.40 *	2.36 *	2.31 *	2.82 *
-75	0.33	0.67	0.68	0.68	0.68	0.67	0.66	0.65	0.65	0.80
-85	0.00	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
-90	0.00	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
Total	54.93	109.75	109.37	108.68	107.72	106.52	105.07	103.38	101.47	123.77

Vert. Angles **Horizontal Angles**

	<u>19.5</u>	<u>22.5</u>	<u>25.5</u>	<u>29</u>	<u>33</u>	<u>37.5</u>	<u>42.5</u>	<u>47.5</u>	<u>55</u>	<u>65</u>
90	0.01	0.01	0.01	0.02	0.02	0.03	0.03	0.04	0.04	0.02
85	1.14	1.07	1.16	1.19	1.17	1.10	0.88	0.91	0.61	0.19
75	3.54 *	3.35 *	3.65 *	3.78 *	3.73 *	3.50 *	2.82 *	2.98 *	2.00 *	0.60
65	6.05 *	5.75 *	6.30 *	6.61 *	6.62 *	6.29 *	5.15 *	5.64 *	4.03 *	1.31 *
55	6.02 *	5.74 *	6.32 *	6.66 *	6.72 *	6.44 *	5.34 *	5.93 *	4.44 *	1.53 *
47.5	4.63 *	4.43 *	4.88 *	5.17 *	5.23 *	5.05 *	4.21 *	4.72 *	3.60 *	1.27 *
42.5	5.04 *	4.82 *	5.33 *	5.65 *	5.74 *	5.56 *	4.66 *	5.27 *	4.06 *	1.48 *
37.5	4.84 *	4.63 *	5.12 *	5.43 *	5.54 *	5.38 *	4.53 *	5.15 *	4.01 *	1.50 *
33	4.51 *	4.32 *	4.78 *	5.07 *	5.17 *	5.04 *	4.26 *	4.86 *	3.81 *	1.44 *
29	4.09 *	3.92 *	4.33 *	4.60 *	4.69 *	4.58 *	3.87 *	4.44 *	3.50 *	1.34 *

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LUMENS TABULATION - (Cont.)

25.5											
	3.59 *	3.44 *	3.81 *	4.04 *	4.13 *	4.03 *	3.42 *	3.92 *	3.11 *	1.20 *	
22.5											
	3.67 *	3.51 *	3.89 *	4.13 *	4.22 *	4.12 *	3.50 *	4.03 *	3.20 *	1.24 *	
19.5											
	3.11 *	2.98 *	3.29 *	3.50 *	3.58 *	3.50 *	2.97 *	3.42 *	2.73 *	1.06 *	
17											
	2.51 *	2.41 *	2.66 *	2.83 *	2.90 *	2.83 *	2.41 *	2.78 *	2.22 *	0.86 *	
15											
	2.54 *	2.43 *	2.69 *	2.86 *	2.93 *	2.86 *	2.43 *	2.81 *	2.24 *	0.87 *	
13											
	2.56 *	2.45 *	2.71 *	2.88 *	2.95 *	2.88 *	2.45 *	2.83 *	2.27 *	0.89 *	
11											
	2.57 *	2.47 *	2.73 *	2.90 *	2.97 *	2.90 *	2.46 *	2.85 *	2.29 *	0.89 *	
9											
	2.58 *	2.48 *	2.74 *	2.92 *	2.98 *	2.92 *	2.48 *	2.87 *	2.30 *	0.90 *	
7											
	2.59 *	2.49 *	2.75 *	2.93 *	2.99 *	2.93 *	2.49 *	2.88 *	2.31 *	0.91 *	
5											
	2.60 *	2.49 *	2.76 *	2.94 *	3.00 *	2.94 *	2.49 *	2.89 *	2.32 *	0.91 *	
3											
	2.60 *	2.50 *	2.76 *	2.94 *	3.01 *	2.94 *	2.50 *	2.90 *	2.33 *	0.91 *	
1											
	1.30 *	1.25 *	1.38 *	1.47 *	1.50 *	1.47 *	1.25 *	1.45 *	1.16 *	0.46 *	
0											
	1.30 *	1.25 *	1.38 *	1.47 *	1.50 *	1.47 *	1.25 *	1.45 *	1.16 *	0.46 *	
-1											
	2.60 *	2.50 *	2.76 *	2.94 *	3.00 *	2.94 *	2.50 *	2.90 *	2.33 *	0.91 *	
-3											
	2.60 *	2.49 *	2.76 *	2.93 *	3.00 *	2.93 *	2.49 *	2.89 *	2.32 *	0.91 *	
-5											
	2.59 *	2.49 *	2.75 *	2.92 *	2.99 *	2.92 *	2.49 *	2.88 *	2.31 *	0.90 *	
-7											
	2.58 *	2.48 *	2.74 *	2.91 *	2.98 *	2.91 *	2.47 *	2.87 *	2.30 *	0.90 *	
-9											
	2.57 *	2.46 *	2.72 *	2.90 *	2.96 *	2.90 *	2.46 *	2.85 *	2.28 *	0.89 *	
-11											
	2.56 *	2.45 *	2.71 *	2.88 *	2.95 *	2.88 *	2.44 *	2.83 *	2.26 *	0.88 *	
-13											
	2.54 *	2.43 *	2.69 *	2.86 *	2.92 *	2.86 *	2.42 *	2.80 *	2.23 *	0.87 *	
-15											
	2.51 *	2.41 *	2.66 *	2.83 *	2.90 *	2.83 *	2.40 *	2.77 *	2.21 *	0.86 *	
-17											
	3.11 *	2.98 *	3.29 *	3.50 *	3.58 *	3.49 *	2.96 *	3.41 *	2.71 *	1.05 *	
-19.5											
	3.67 *	3.52 *	3.89 *	4.14 *	4.22 *	4.11 *	3.49 *	4.01 *	3.18 *	1.23 *	
-22.5											
	3.60 *	3.45 *	3.81 *	4.05 *	4.13 *	4.02 *	3.40 *	3.91 *	3.09 *	1.18 *	
-25.5											
	4.09 *	3.91 *	4.33 *	4.59 *	4.68 *	4.56 *	3.85 *	4.41 *	3.47 *	1.32 *	
-29											
	4.50 *	4.31 *	4.76 *	5.05 *	5.15 *	5.01 *	4.22 *	4.82 *	3.77 *	1.42 *	
-33											
	4.83 *	4.62 *	5.09 *	5.40 *	5.50 *	5.34 *	4.48 *	5.09 *	3.95 *	1.47 *	
-37.5											
	5.02 *	4.80 *	5.30 *	5.61 *	5.70 *	5.51 *	4.60 *	5.19 *	3.98 *	1.45 *	
-42.5											
	4.60 *	4.39 *	4.84 *	5.12 *	5.18 *	4.98 *	4.14 *	4.63 *	3.51 *	1.25 *	
-47.5											
	5.94 *	5.66 *	6.22 *	6.56 *	6.60 *	6.32 *	5.22 *	5.77 *	4.30 *	1.49 *	

IES FLOOD REPORT
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LUMENS TABULATION - (Cont.)

-55	5.89 *	5.60 *	6.13 *	6.41 *	6.40 *	6.07 *	4.96 *	5.39 *	3.86 *	1.27 *
-65	3.26 *	3.10 *	3.39 *	3.51 *	3.45 *	3.22 *	2.57 *	2.74 *	1.87 *	0.57
-75	0.94	0.90	0.99	1.03	0.99	0.92	0.72	0.77	0.55	0.18
-85	0.01	0.01	0.01	0.01	0.02	0.02	0.02	0.03	0.03	0.02
-90										
Total	143.42	137.17	151.27	160.16	162.59	157.49	132.16	149.96	116.25	43.25

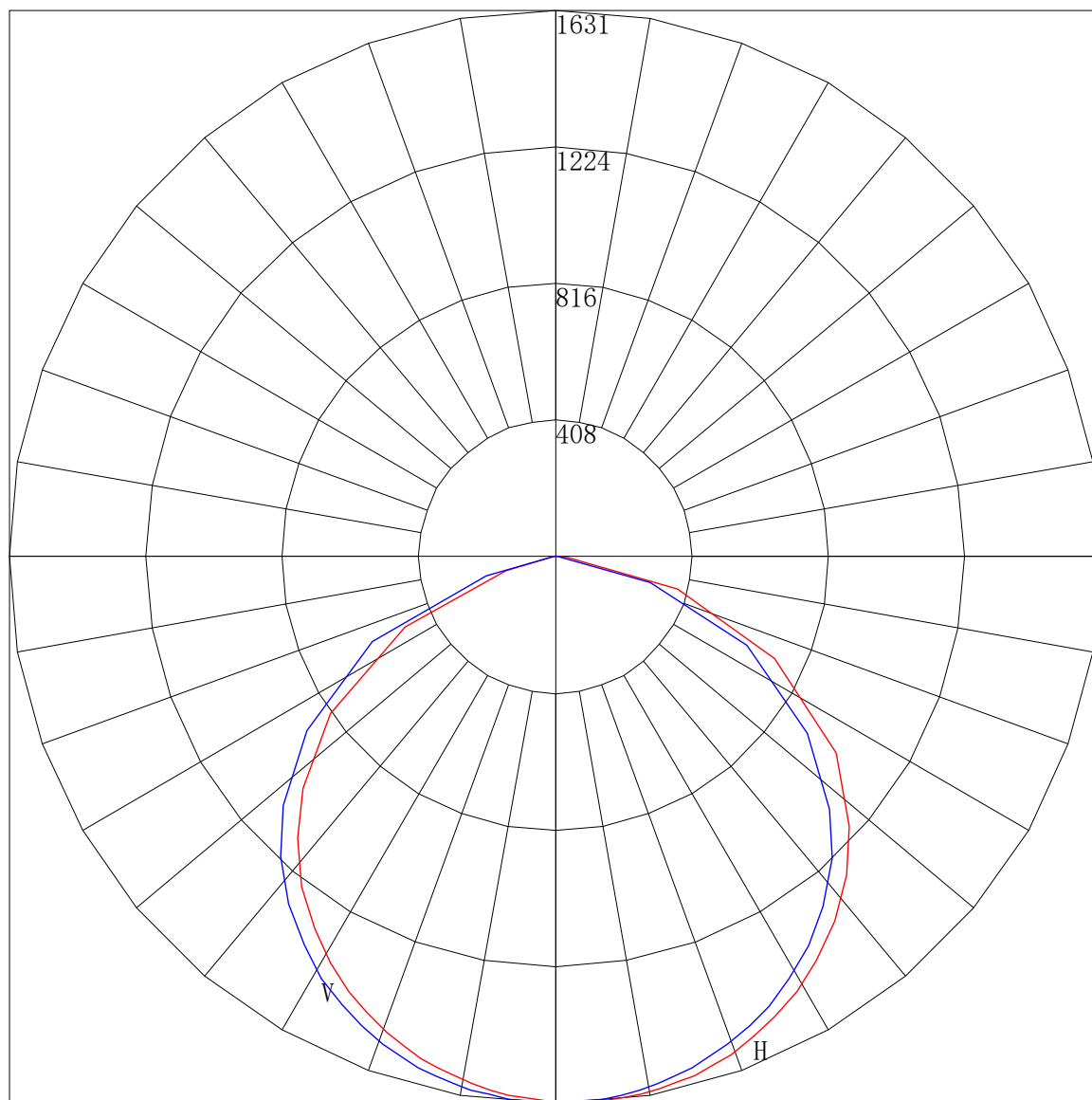
Vert. Angles	Horizontal Angles			Total
	75	85	90	
90	0.00	0.00	0.33	
85	0.04	0.00	17.94	
75	0.09	0.00	56.23	
65	0.19	0.00	98.01	
55	0.22	0.00	98.84	
47.5	0.19	0.00	76.68	
42.5	0.23	0.00	84.06	
37.5	0.23	0.00	81.11	
33	0.23	0.00	75.83	
29	0.22 *	0.00	68.84	
25.5	0.19 *	0.00	60.62	
22.5	0.20 *	0.00	61.93	
19.5	0.17 *	0.00	52.51	
17	0.14 *	0.00	42.53	
15	0.14 *	0.00	42.93	
13	0.15 *	0.00	43.28	
11	0.15 *	0.00	43.58	
9	0.15 *	0.00	43.81	
7	0.15 *	0.00	43.98	
5	0.15 *	0.00	44.10	
3	0.15 *	0.00	44.16	
1	0.08 *	0.00	22.09	
0	0.08 *	0.00	22.08	

IES FLOOD REPORT
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LUMENS TABULATION - (Cont.)

-1	0.15 *	0.00	44.15
-3	0.15 *	0.00	44.08
-5	0.15 *	0.00	43.95
-7	0.15 *	0.00	43.76
-9	0.15 *	0.00	43.53
-11	0.15 *	0.00	43.24
-13	0.14 *	0.00	42.90
-15	0.14 *	0.00	42.51
-17	0.17 *	0.00	52.51
-19.5	0.20 *	0.00	61.95
-22.5	0.19 *	0.00	60.60
-25.5	0.21 *	0.00	68.73
-29	0.23	0.00	75.55
-33	0.23	0.00	80.64
-37.5	0.22	0.00	83.47
-42.5	0.19	0.00	75.93
-47.5	0.22	0.00	97.27
-55	0.19	0.00	95.10
-65	0.09	0.00	51.26
-75	0.03	0.00	14.51
-85	0.00	0.00	0.24
-90			
Total	6.92	0.07	2391.38

AXIAL CANDELA DISPLAY

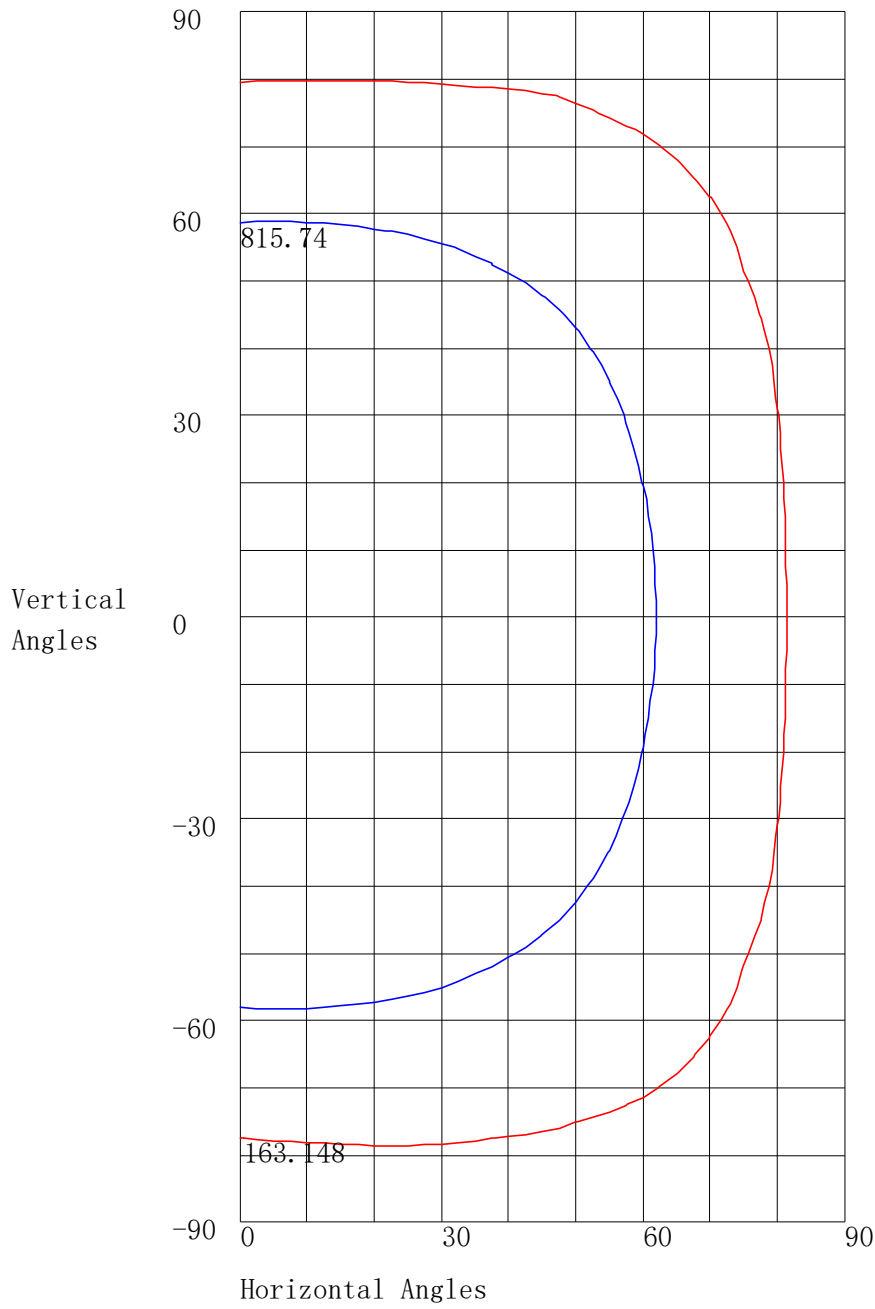


Maximum Candela = 1631.48 Located At Horizontal Angle = 5, Vertical Angle = 1

H - Horizontal Axial Candela

V - Vertical Axial Candela

ISOCANDELA CURVES



Maximum Candela = 1631.48 Located At Horizontal Angle = 5, Vertical Angle = 1
50% Maximum Candela = 815.74
10% Maximum Candela = 163.148