

Report No.:

Test Time: 2020-12-28 16:20

Luminaire Property

Luminaire Manufacturer: ASD Lighting Corp
Luminaire Category:
Lamp Catalog:
Number of Lamps:
Luminous Length (mm):
Luminous Height (mm):
Current: 0.109 A
Power Factor: 0.928

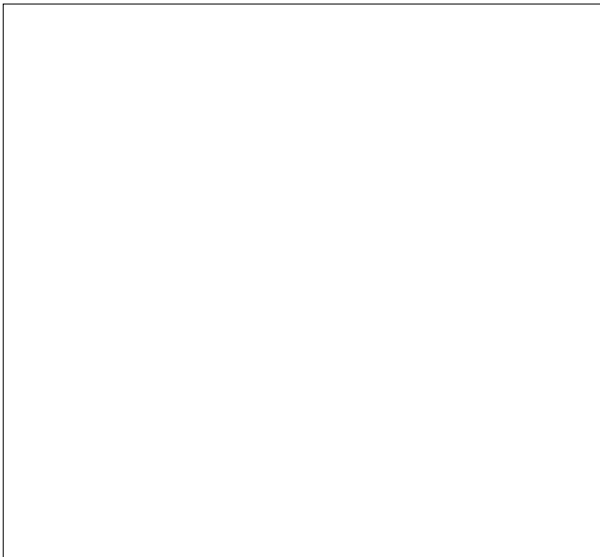
Luminaire Description:
Lamp Description:
Lumens per Lamp:
Luminous Width (mm):
Voltage: 277.0 V
Power: 28.05 W

Photometric Results

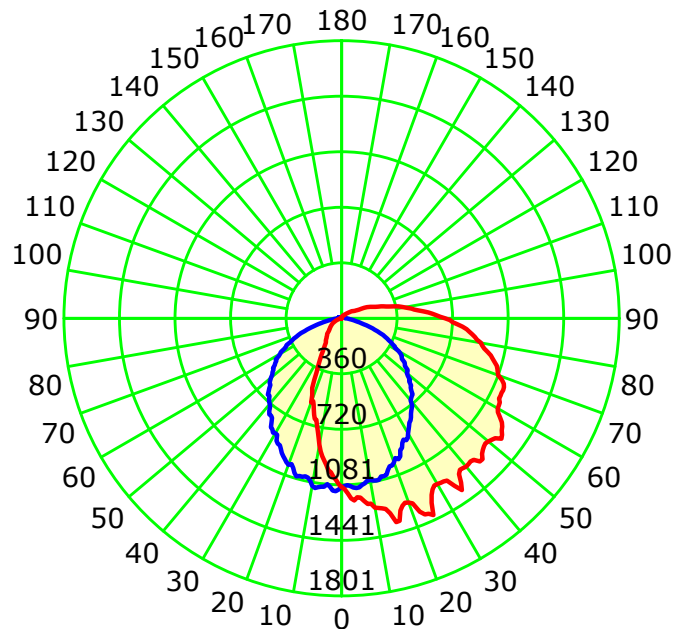
IES Classification: Type IV
Total Rated Lamp Lumens: 3715.7 lm
Efficiency: 100%
Upward Ratio: 10%
C0r0 Intensity: 1095.02 cd
Pos of Max. Intensity: H112.5 V25

Longitudinal Classification: Very Short
Measurement Flux: 3715.7 lm
Downward Ratio: 90%
Luminaire Efficacy Rating (LER): 132.52
Max. Intensity: 1441.39 cd

Picture Of Luminaire



Luminous Intensity Distribution Curve



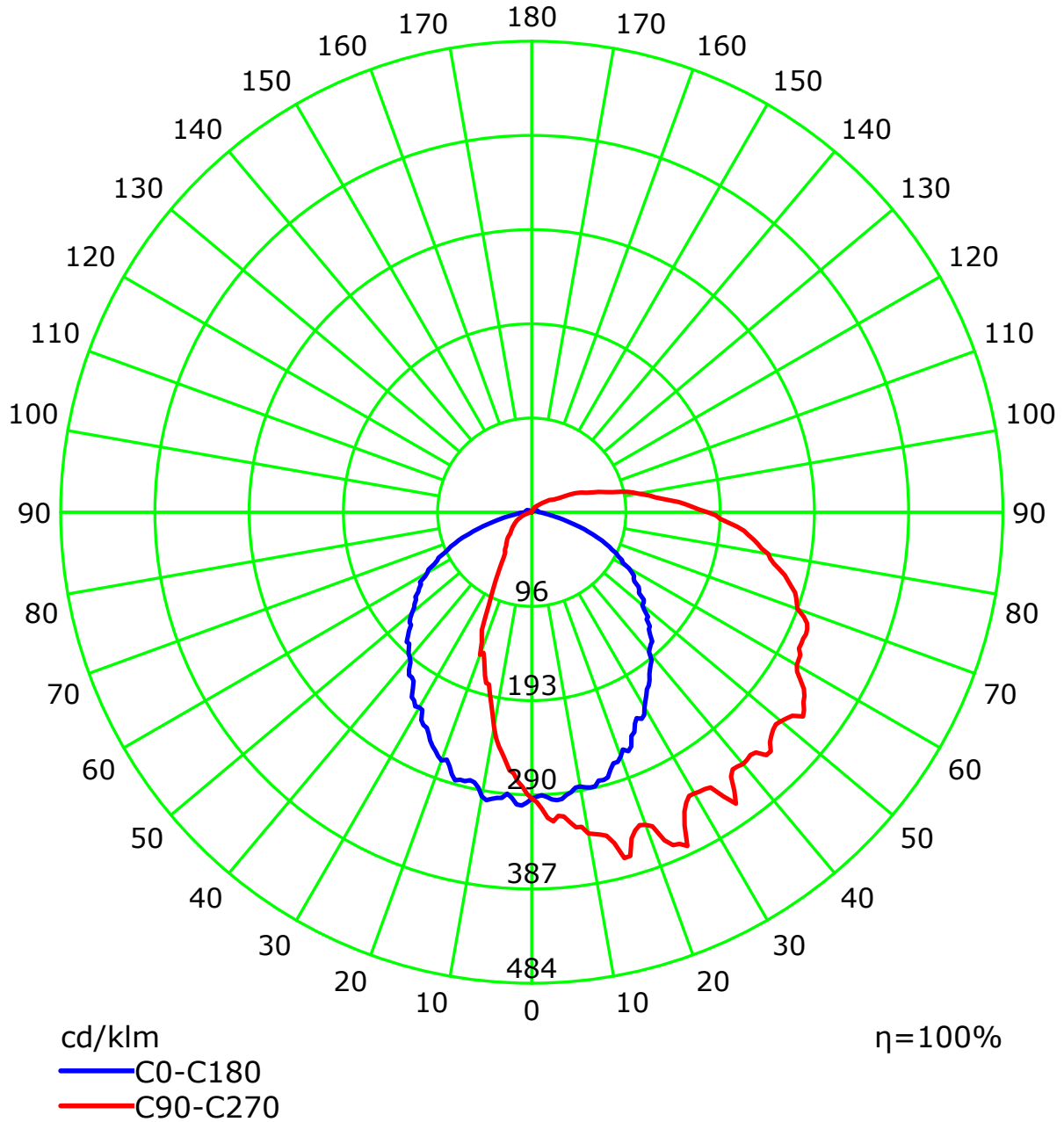
Unit: cd
Average Diffuse Angle(50%): 102.2°

— C0-C180 — C90-C270

C Plane (°):0.0-360.0: 22.5
Test Lab:
Test Type: TYPE C
Temperature: 25.8 °C
Operator:

Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-3000
Distance: 14.040 m [K=1.0000]
Humidity:
Inspector:

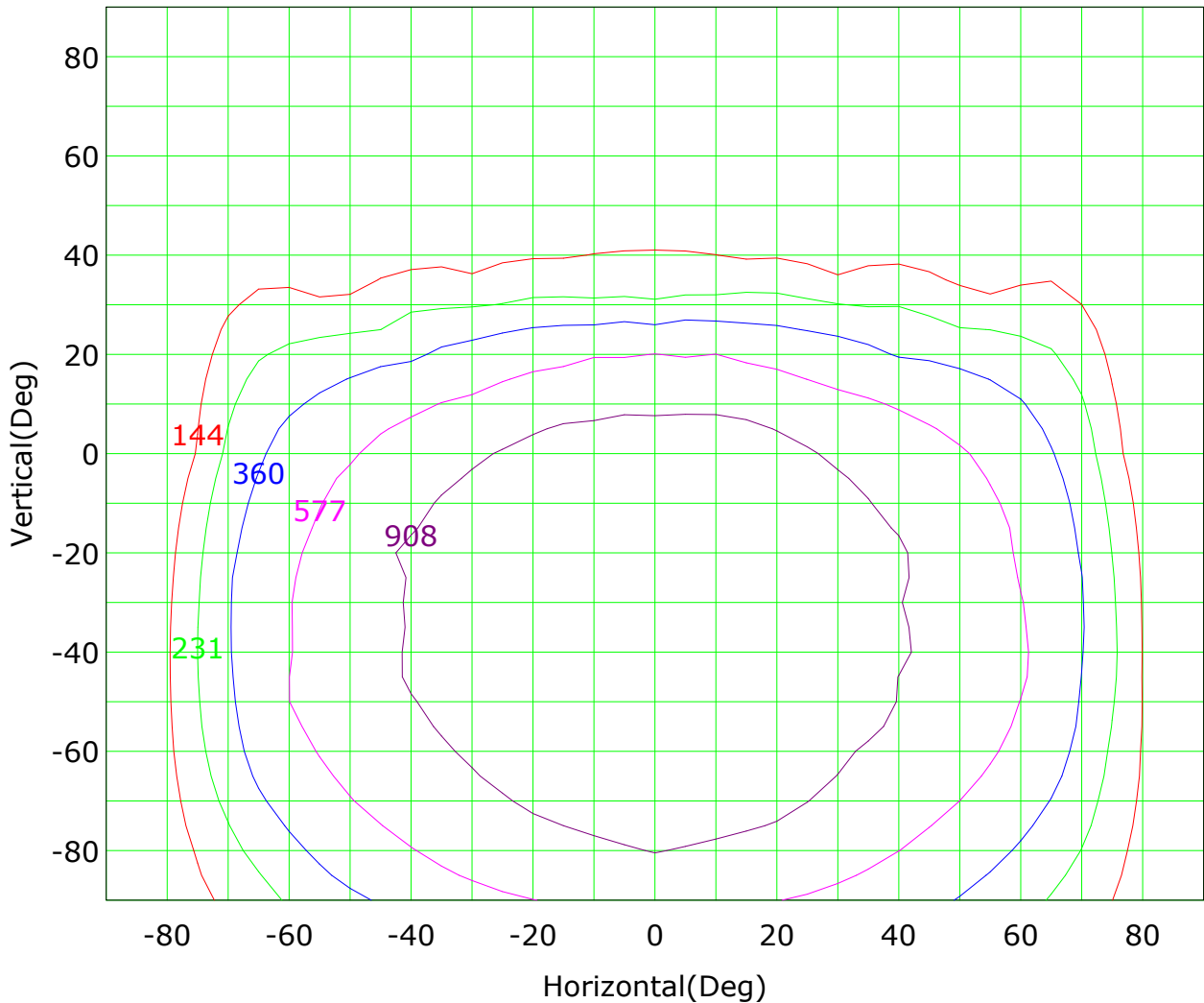
Luminous Intensity Distribution Curve(cd/klm)



C Plane (°):0.0-360.0: 22.5
Test Lab:
Test Type: TYPE C
Temperature: 25.8 °C
Operator:

Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-3000
Distance: 14.040 m [K=1.0000]
Humidity:
Inspector:

Isocandela (rectangle)



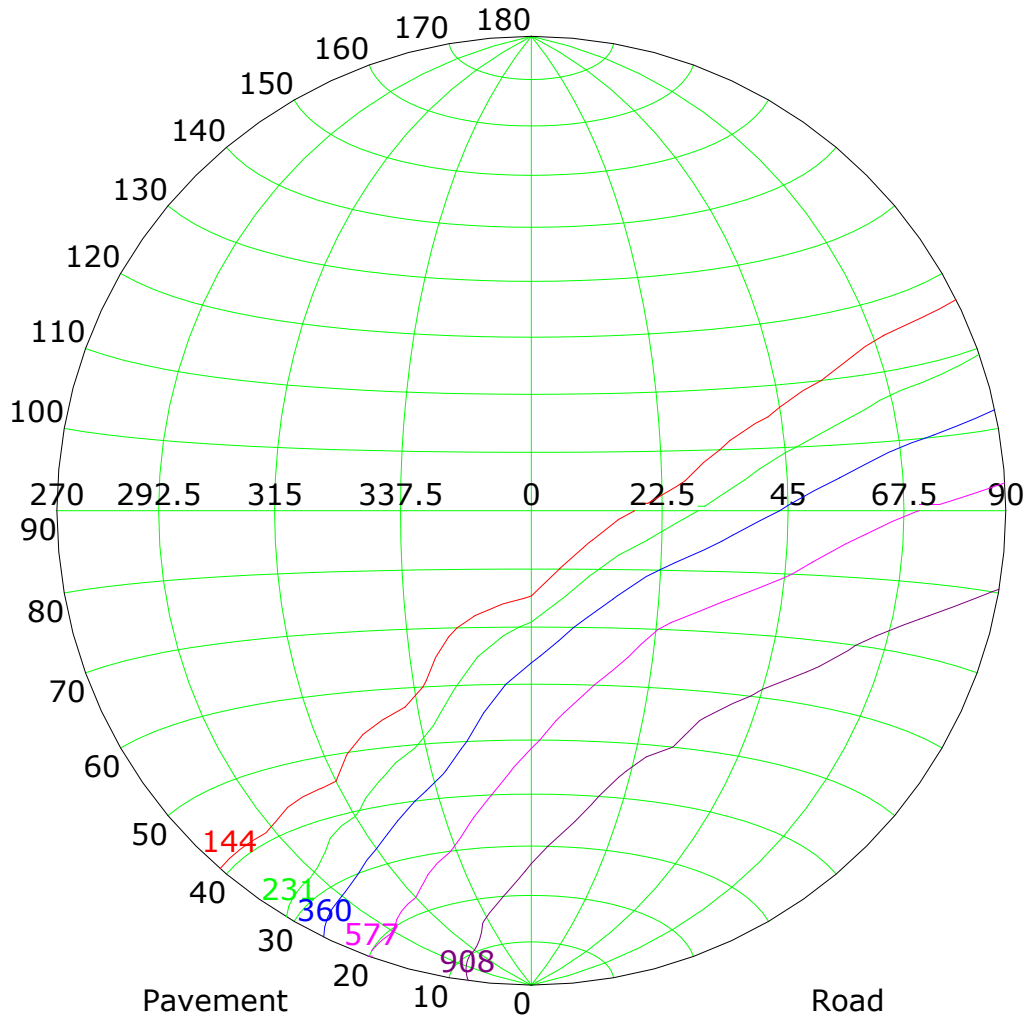
Imax (100%): 1441 cd

— (10%): 144 cd	— (16%): 231 cd
— (25%): 360 cd	— (40%): 577 cd
— (63%): 908 cd	— (100%): 1441 cd

C Plane (°):0.0-360.0: 22.5
Test Lab:
Test Type: TYPE C
Temperature: 25.8 °C
Operator:

Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-3000
Distance: 14.040 m [K=1.0000]
Humidity:
Inspector:

Isocandela (sphere)



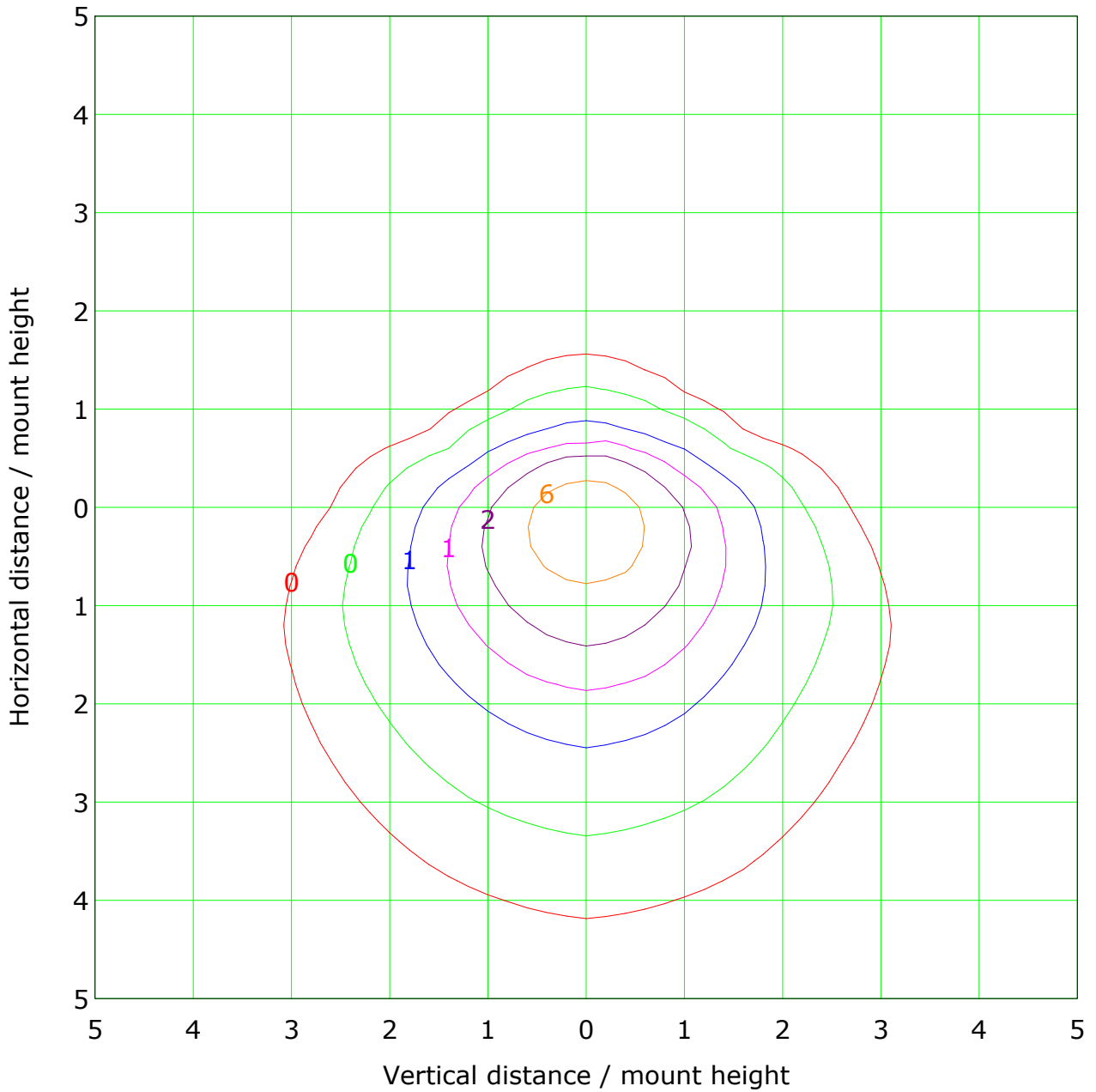
Imax (100%): 1441 cd

- | | |
|------------------|-------------------|
| — (10%): 144 cd | — (16%): 231 cd |
| — (25%): 360 cd | — (40%): 577 cd |
| — (63%): 908 cd | — (100%): 1441 cd |

C Plane (°):0.0-360.0: 22.5
Test Lab:
Test Type: TYPE C
Temperature: 25.8 °C
Operator:

Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-3000
Distance: 14.040 m [K=1.0000]
Humidity:
Inspector:

IsoLux Plot



Mounting Height: 10.0m		Max Lux(100%): 12.3 lx	
— (1%):	0.1 lx	— (2%):	0.2 lx
— (5%):	0.6 lx	— (10%):	1.2 lx
— (20%):	2.5 lx	— (50%):	6.2 lx
— (100%):	12.3 lx		

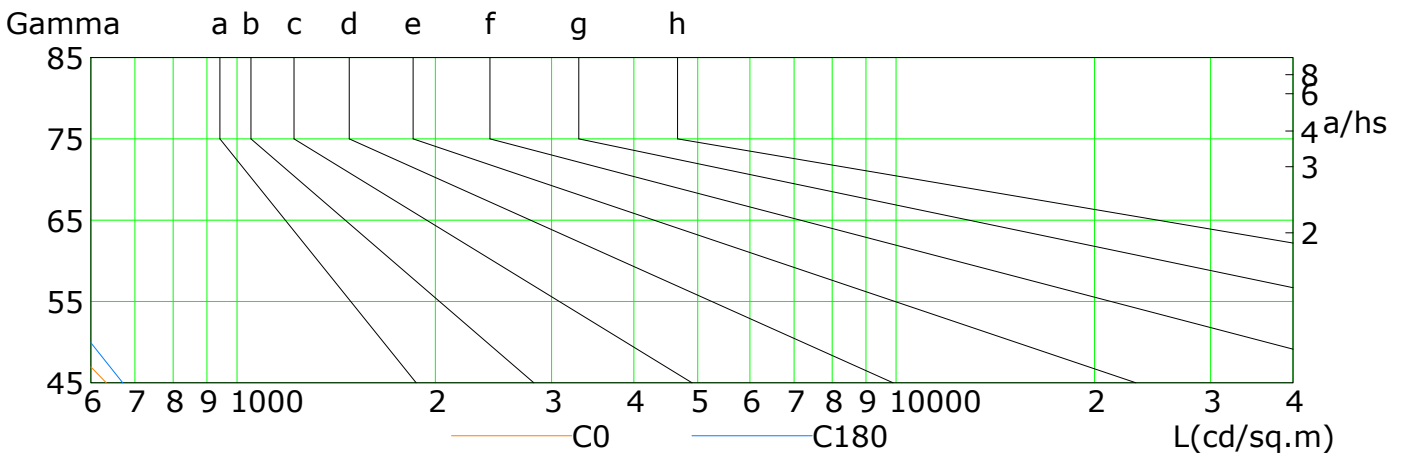
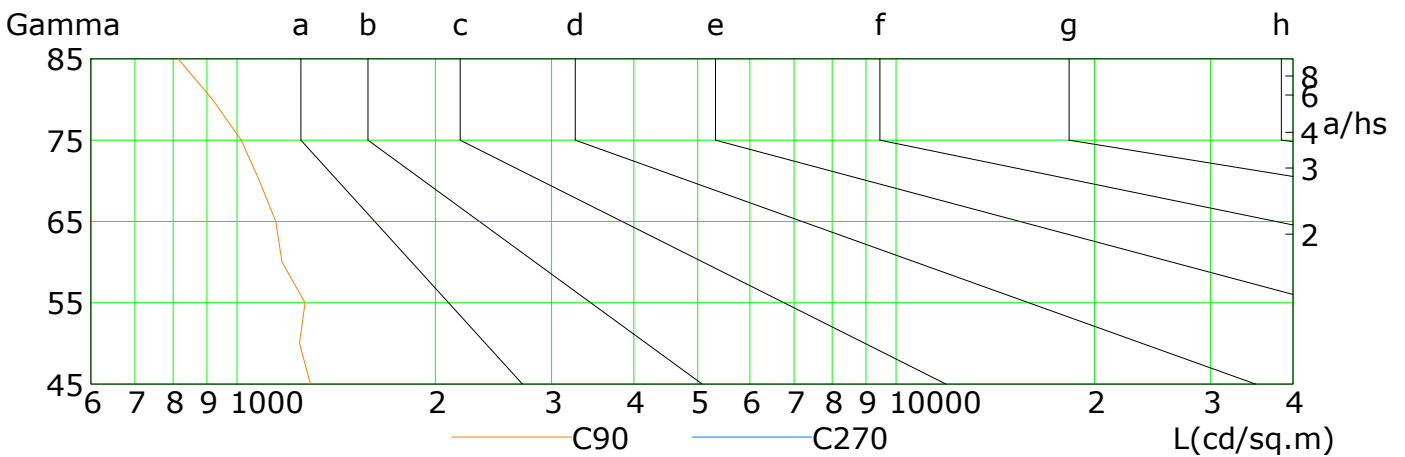
C Plane (°):0.0-360.0: 22.5
 Test Lab:
 Test Type: TYPE C
 Temperature: 25.8 'C
 Operator:

Gamma Plane (°):0.0-180.0:1.0
 Test Device: GPM-3000
 Distance: 14.040 m [K=1.0000]
 Humidity:
 Inspector:

Lum Limit Curve

Dazzle	Quality	Illuminance (lx)								
		2000	1000	500	<=300					
1.15	A									
1.50	B									
1.85	C									
2.20	D									
2.55	E									

a b c d e f g h



L(cd/sq.m)	G45	G50	G55	G60	G65	G70	G75	G80	G85
C0	633	552	499	429	338	248	149	82	47
C90	1293	1244	1268	1170	1145	1081	1015	918	814
C180	671	599	530	461	369	281	171	97	50
C270	121	100	84	69	50	34	16	2	2

C Plane (°):0.0-360.0: 22.5

Test Lab:

Test Type: TYPE C

Temperature: 25.8 °C

Operator:

Gamma Plane (°):0.0-180.0:1.0

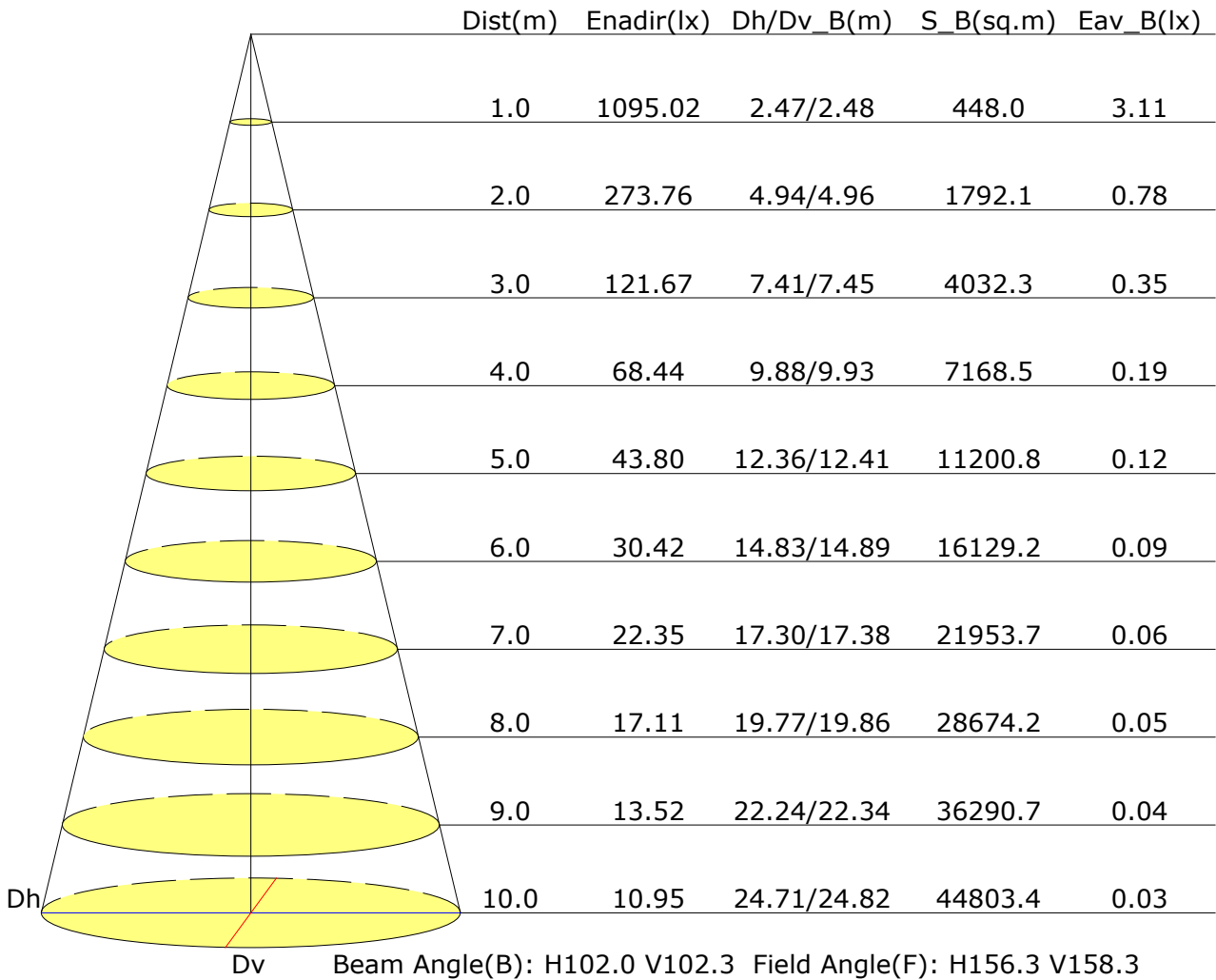
Test Device: GPM-3000

Distance: 14.040 m [K=1.0000]

Humidity:

Inspector:

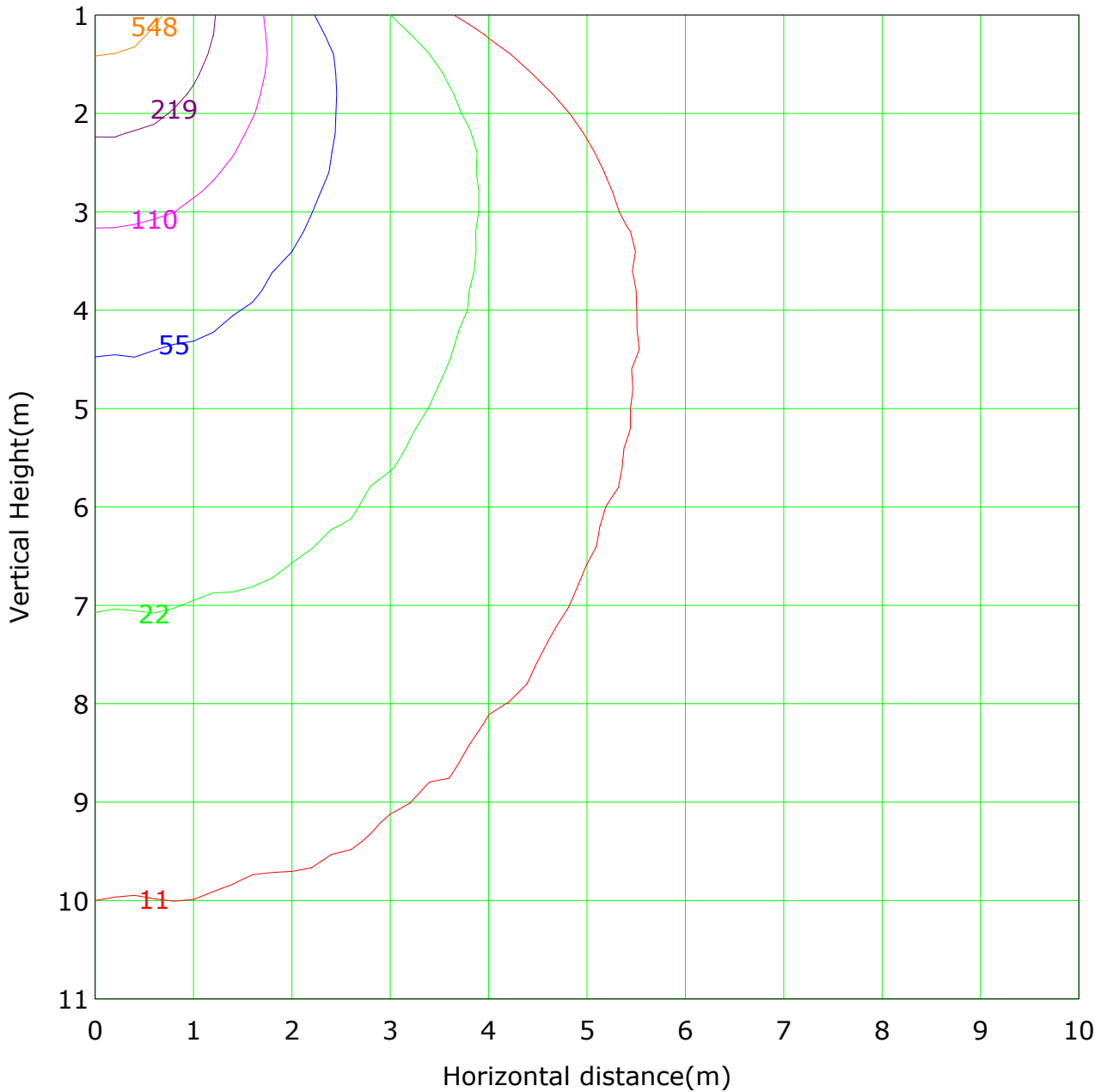
Illuminance at a Distance



C Plane (°):0.0-360.0: 22.5
 Test Lab:
 Test Type: TYPE C
 Temperature: 25.8 °C
 Operator:

Gamma Plane (°):0.0-180.0:1.0
 Test Device: GPM-3000
 Distance: 14.040 m [K=1.0000]
 Humidity:
 Inspector:

Vertical IsoLux Plot



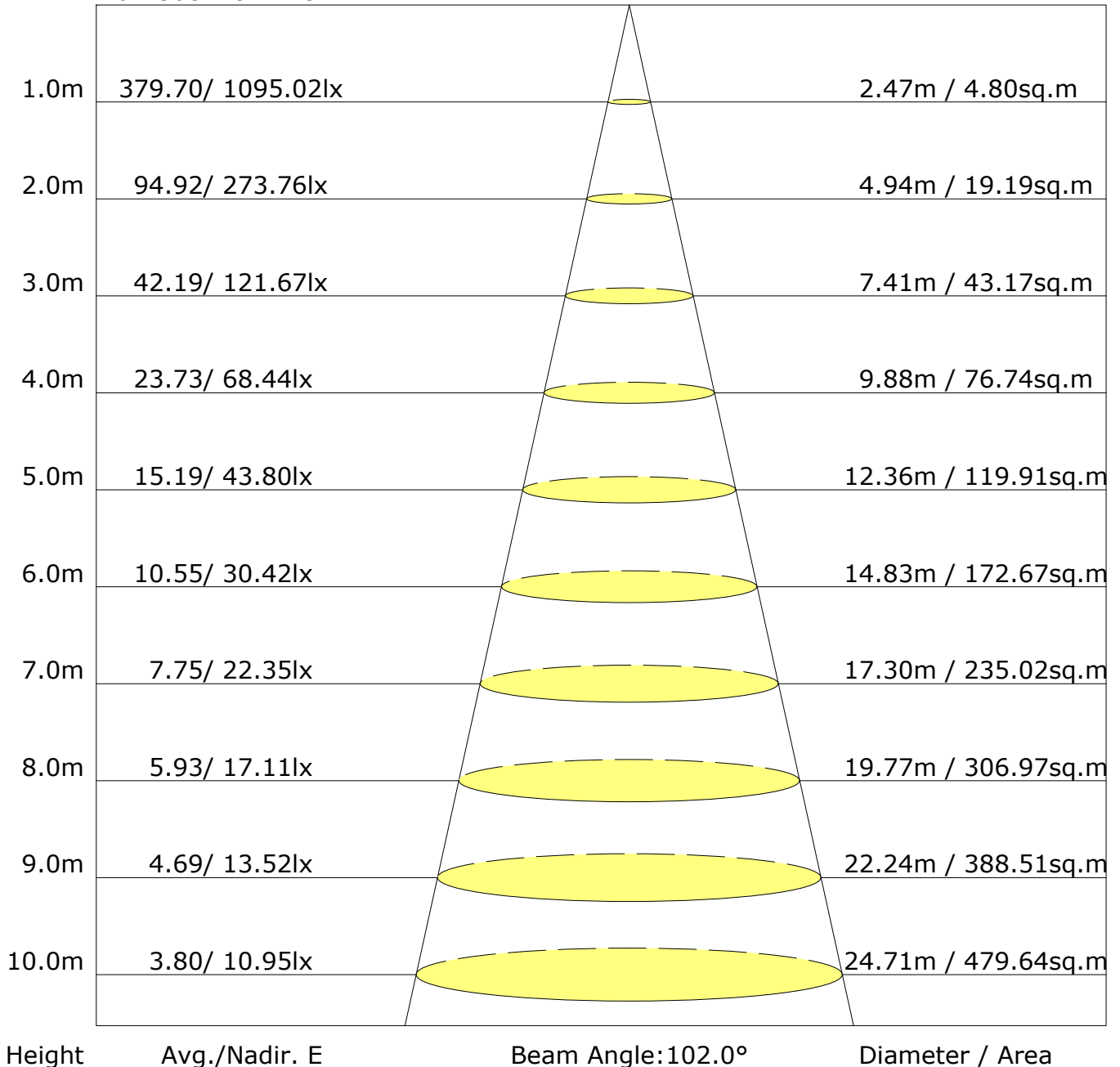
Lowest(m): 1.0m Highest(m): 11.0m Max Lux: 1095.0 lx
 — (1%): 11.0 lx — (2%): 21.9 lx
 — (5%): 54.8 lx — (10%): 109.5 lx
 — (20%): 219.0 lx — (50%): 547.5 lx
 — (100%):1095.0 lx

C Plane (°):0.0-360.0: 22.5
 Test Lab:
 Test Type: TYPE C
 Temperature: 25.8 °C
 Operator:

Gamma Plane (°):0.0-180.0:1.0
 Test Device: GPM-3000
 Distance: 14.040 m [K=1.0000]
 Humidity:
 Inspector:

The Average Illuminance Effective Figure

Flux Out: 1821.18lm



C Plane (°):0.0-360.0: 22.5
 Test Lab:
 Test Type: TYPE C
 Temperature: 25.8 °C
 Operator:

Gamma Plane (°):0.0-180.0:1.0
 Test Device: GPM-3000
 Distance: 14.040 m [K=1.0000]
 Humidity:
 Inspector:

FLUX DISTRIBUTION TABLE BASED ON THE IESNA LUMINAIRE CLASSIFICATION SYSTEM

	ZONE	LUMENS	% LAMP LUMENS
	FORWARD LIGHT	2691	72.4
	FL (0°-30°)	506	13.6
	FM (30°-60°)	1179	31.7
	FH (60°-80°)	753	20.3
	FVH (80°-90°)	254	6.8
	BACK LIGHT	669	18.0
	BL (0°-30°)	299	8.1
	BM (30°-60°)	286	7.7
	BH (60°-80°)	75	2.0
	BVH (80°-90°)	9	0.2
	UP LIGHT	356	9.6
	UL (90°-100°)	163	4.4
	UH (100°-180°)	193	5.2
	TRAPPED LIGHT	NA	NA

BUG(Backlight,Uplight,Glare) Rating Base On TM-15-11	
Asymmetrical Luminaire Types (Type I,II,III,IV)	B1 U3 G3
Quadrilateral Symmetrical Luminaire Types (Type V,Area Light)	B1 U3 G3

C Plane (°):0.0-360.0: 22.5
 Test Lab:
 Test Type: TYPE C
 Temperature: 25.8 °C
 Operator:

Gamma Plane (°):0.0-180.0:1.0
 Test Device: GPM-3000
 Distance: 14.040 m [K=1.0000]
 Humidity:
 Inspector:

Candlepower Table

Unit: cd

G\C	C0.0	C22.5	C45.0	C67.5	C90.0	C112.5	C135.0	C157.5	C180.0	C202.5
G0.0	1095.0	1095.0	1095.0	1095.0	1095.0	1095.0	1095.0	1095.0	1095.0	1095.0
G1.0	1088.5	1095.5	1099.7	1106.9	1108.8	1108.9	1107.3	1107.9	1111.3	1099.2
G2.0	1082.8	1093.3	1110.9	1131.0	1136.4	1138.2	1138.7	1133.9	1122.6	1108.3
G3.0	1090.5	1113.9	1134.0	1160.1	1170.7	1175.3	1173.9	1150.6	1119.2	1103.3
G4.0	1101.0	1134.4	1170.2	1185.8	1185.4	1208.0	1202.8	1159.1	1095.2	1080.2
G5.0	1105.5	1148.6	1198.0	1180.1	1165.9	1198.6	1219.5	1149.6	1080.6	1048.2
G6.0	1102.7	1160.0	1207.8	1190.0	1169.8	1206.6	1195.1	1161.7	1098.8	1040.5
G7.0	1089.5	1163.1	1195.2	1188.6	1194.0	1212.2	1175.7	1183.2	1101.0	1036.6
G8.0	1081.8	1165.5	1201.3	1217.1	1216.9	1242.6	1179.4	1200.6	1107.2	1031.3
G9.0	1066.4	1174.2	1189.4	1236.4	1218.4	1257.9	1193.5	1203.4	1114.9	1025.7
G10.0	1065.4	1179.0	1190.8	1233.4	1247.6	1262.7	1216.5	1195.5	1103.2	1020.4
G11.0	1072.2	1183.2	1211.4	1258.8	1253.8	1274.2	1235.9	1181.9	1073.5	1003.1
G12.0	1076.3	1179.5	1216.7	1265.0	1260.4	1275.0	1236.1	1168.3	1056.8	975.6
G13.0	1076.3	1166.8	1204.5	1267.2	1269.6	1280.5	1251.1	1155.3	1052.0	953.2
G14.0	1057.8	1162.1	1222.6	1277.3	1303.9	1281.3	1260.3	1148.9	1060.2	949.7
G15.0	1060.2	1145.3	1248.4	1293.3	1369.4	1315.3	1261.2	1144.0	1059.0	944.3
G16.0	1055.5	1143.3	1256.1	1353.5	1367.5	1348.3	1254.2	1149.5	1066.7	938.9
G17.0	1029.9	1143.4	1246.2	1375.9	1304.8	1327.8	1265.3	1164.2	1048.0	944.9
G18.0	1009.6	1130.7	1244.0	1322.6	1279.3	1298.1	1270.7	1173.8	1020.0	897.3
G19.0	1010.0	1119.8	1254.7	1292.4	1265.6	1275.9	1288.0	1176.9	1000.9	851.4
G20.0	994.0	1125.5	1290.6	1262.2	1272.5	1261.5	1290.0	1171.1	1010.3	834.2
G21.0	971.9	1136.6	1313.8	1244.6	1286.4	1270.0	1263.0	1172.0	1000.1	822.4
G22.0	985.9	1124.8	1271.3	1254.3	1353.2	1282.4	1242.5	1156.4	984.5	813.4
G23.0	973.2	1121.9	1232.8	1261.0	1383.1	1316.5	1239.8	1143.2	972.1	780.3
G24.0	936.5	1123.7	1214.1	1302.6	1388.6	1380.3	1240.0	1149.1	956.0	757.1
G25.0	927.8	1112.3	1222.2	1359.3	1408.5	1441.4	1228.4	1147.9	934.2	750.1
G26.0	900.0	1112.6	1218.0	1420.6	1332.6	1423.3	1216.6	1135.9	916.8	719.9
G27.0	883.7	1111.0	1203.2	1376.4	1285.5	1338.9	1211.8	1121.3	913.5	697.5
G28.0	895.1	1094.8	1187.9	1302.7	1258.0	1291.5	1202.7	1109.8	900.8	655.1
G29.0	886.6	1071.5	1188.9	1262.0	1240.5	1264.9	1189.6	1072.9	864.6	620.9
G30.0	862.1	1072.7	1170.3	1241.9	1242.2	1244.8	1190.0	1047.7	861.8	601.3
G31.0	843.0	1048.6	1160.3	1228.2	1246.6	1226.6	1211.6	1040.5	866.2	587.6
G32.0	826.3	1039.8	1183.5	1214.1	1248.7	1226.1	1206.7	1039.7	849.6	566.3
G33.0	807.9	1032.1	1194.5	1215.3	1255.6	1227.5	1204.8	1053.1	843.7	540.8
G34.0	799.7	1029.8	1181.2	1219.6	1311.5	1244.5	1207.8	1049.1	814.1	519.4
G35.0	785.1	1024.6	1147.5	1232.1	1361.0	1282.4	1207.3	1047.9	789.0	499.0
G36.0	765.7	1039.0	1134.2	1261.5	1318.1	1334.0	1201.8	1005.7	780.5	494.8

C Plane (°):0.0-360.0: 22.5

Test Lab:

Test Type: TYPE C

Temperature: 25.8 °C

Operator:

Gamma Plane (°):0.0-180.0:1.0

Test Device: GPM-3000

Distance: 14.040 m [K=1.0000]

Humidity:

Inspector:

Candlepower Table (Continue 1)

Unit: cd

G\C	C0.0	C22.5	C45.0	C67.5	C90.0	C112.5	C135.0	C157.5	C180.0	C202.5
G37.0	750.8	1030.0	1129.3	1353.5	1265.9	1305.2	1182.0	991.9	780.2	486.6
G38.0	739.0	1013.5	1120.4	1277.6	1247.9	1249.8	1158.0	977.8	762.9	452.2
G39.0	728.8	990.5	1118.1	1217.8	1250.8	1214.3	1135.5	962.9	737.9	441.6
G40.0	697.1	987.5	1122.9	1195.6	1256.8	1199.9	1117.0	946.7	726.2	418.7
G41.0	687.9	964.1	1126.4	1182.6	1254.6	1196.5	1107.7	937.5	718.4	406.3
G42.0	680.1	947.1	1118.8	1178.8	1249.8	1198.1	1111.8	949.5	704.1	383.1
G43.0	675.8	951.1	1102.6	1178.4	1256.4	1206.6	1124.3	954.3	687.9	366.0
G44.0	651.4	972.4	1099.1	1181.9	1291.2	1216.4	1079.9	949.2	689.4	342.0
G45.0	633.3	924.9	1132.9	1189.2	1292.9	1236.3	1046.0	927.0	670.8	324.3
G46.0	628.0	884.8	1061.0	1201.0	1266.4	1294.9	1034.3	918.6	653.7	306.8
G47.0	600.3	880.9	1008.4	1264.2	1253.0	1261.6	1013.5	900.8	632.2	296.0
G48.0	598.1	898.2	993.9	1270.9	1242.4	1212.5	1011.6	863.2	629.5	286.8
G49.0	570.2	899.2	989.5	1194.8	1236.9	1183.0	1021.7	839.8	616.0	286.7
G50.0	551.7	863.0	995.4	1157.7	1243.6	1170.5	1013.3	842.7	598.8	264.9
G51.0	550.3	823.7	1011.6	1146.6	1253.2	1161.8	1009.6	843.2	579.6	246.5
G52.0	543.9	802.3	1005.4	1139.1	1264.6	1160.3	1031.6	839.2	569.7	231.1
G53.0	513.7	786.4	993.3	1132.8	1298.5	1165.1	1066.9	817.4	554.4	222.0
G54.0	507.7	786.2	996.1	1130.8	1286.6	1188.4	1037.6	793.9	550.9	192.9
G55.0	499.1	764.8	1042.0	1146.6	1268.3	1224.6	992.6	783.0	530.4	180.6
G56.0	473.0	754.7	1061.4	1170.0	1257.3	1211.8	969.0	769.4	520.2	176.1
G57.0	464.8	754.8	1000.2	1159.2	1240.5	1178.9	948.5	761.0	505.6	165.4
G58.0	461.4	750.5	949.1	1134.2	1211.8	1143.1	933.6	756.0	504.5	151.2
G59.0	446.7	726.8	933.1	1104.7	1183.5	1119.8	928.8	758.9	476.5	129.6
G60.0	428.6	706.4	927.8	1077.5	1170.2	1106.1	926.5	734.7	461.0	119.8
G61.0	396.0	683.9	911.4	1053.6	1166.3	1091.7	928.9	712.7	452.1	111.4
G62.0	391.7	671.0	895.1	1038.3	1163.0	1073.2	923.2	679.8	422.2	105.2
G63.0	369.6	671.2	873.2	1025.6	1146.8	1057.6	900.7	667.1	405.8	97.4
G64.0	360.3	660.2	869.3	1015.9	1146.8	1049.8	867.4	669.5	397.8	93.3
G65.0	337.9	638.6	855.1	1006.9	1144.7	1042.0	835.7	651.3	368.5	89.0
G66.0	324.8	616.3	835.2	1001.1	1147.8	1031.3	814.8	649.6	351.8	85.1
G67.0	306.0	596.1	812.3	998.8	1144.3	1025.6	799.0	639.8	337.2	81.6
G68.0	290.6	586.1	789.1	984.7	1135.6	1017.5	779.9	638.5	316.2	77.9
G69.0	267.3	579.6	770.7	979.8	1114.0	1000.4	769.8	611.8	299.7	72.8
G70.0	248.1	580.4	766.0	962.6	1081.4	980.7	747.8	590.9	281.5	69.9
G71.0	227.3	568.8	738.6	945.9	1071.7	963.2	732.2	563.8	253.1	66.2
G72.0	212.1	555.1	715.2	922.5	1063.3	950.6	722.0	560.5	236.8	60.5
G73.0	189.3	524.4	701.9	908.3	1053.0	935.0	707.4	539.3	212.1	56.9

C Plane (°):0.0-360.0: 22.5

Test Lab:

Test Type: TYPE C

Temperature: 25.8 °C

Operator:

Gamma Plane (°):0.0-180.0:1.0

Test Device: GPM-3000

Distance: 14.040 m [K=1.0000]

Humidity:

Inspector:

Candlepower Table (Continue 2)

Unit: cd

G\C	C0.0	C22.5	C45.0	C67.5	C90.0	C112.5	C135.0	C157.5	C180.0	C202.5
G74.0	168.6	499.9	687.4	889.5	1033.3	916.7	693.3	522.9	192.8	53.9
G75.0	149.1	478.8	670.8	871.5	1014.5	903.2	676.2	495.6	171.0	49.8
G76.0	133.3	452.6	652.6	857.4	997.6	884.6	658.4	473.4	153.6	47.5
G77.0	119.3	431.7	634.2	844.3	972.4	864.9	638.9	450.2	136.0	44.2
G78.0	105.8	415.5	609.7	825.4	946.6	841.7	619.0	430.5	122.3	41.6
G79.0	93.3	393.2	594.3	807.6	929.1	822.8	597.6	414.5	109.4	39.5
G80.0	82.5	368.3	564.2	782.4	918.1	808.8	579.0	383.7	97.0	36.7
G81.0	72.9	346.3	542.9	766.9	890.0	783.7	560.2	363.3	83.3	34.0
G82.0	65.1	322.8	531.6	741.2	872.9	756.2	541.5	338.0	70.4	32.4
G83.0	58.0	297.8	509.8	718.6	854.2	732.6	523.8	314.5	61.3	30.2
G84.0	52.3	273.3	495.0	692.0	832.6	715.5	499.4	302.1	54.5	28.3
G85.0	47.4	254.3	479.0	676.5	814.2	693.8	479.9	281.1	50.0	26.4
G86.0	42.2	236.3	458.3	658.8	786.7	670.6	464.2	266.5	46.2	24.9
G87.0	39.2	213.5	443.5	635.8	751.9	644.5	444.9	247.0	39.9	23.5
G88.0	36.7	199.8	422.2	615.0	720.2	617.7	424.5	230.5	34.4	22.0
G89.0	33.5	188.4	397.3	591.9	704.2	592.7	412.7	217.8	31.7	20.6
G90.0	31.4	174.4	373.8	560.8	672.6	570.5	395.4	202.0	30.1	19.3
G91.0	30.1	162.5	355.4	539.3	639.3	552.5	376.7	183.9	28.1	19.1
G92.0	27.0	149.0	340.3	519.5	613.5	521.3	355.9	170.7	26.9	18.3
G93.0	25.3	136.5	328.3	493.6	588.7	492.8	338.4	154.0	25.2	17.9
G94.0	24.8	126.2	305.6	466.5	563.4	471.4	324.7	141.7	23.6	17.2
G95.0	24.1	110.8	294.1	444.8	530.6	452.1	302.9	128.5	22.7	16.3
G96.0	23.8	101.3	276.7	426.7	499.1	431.4	283.5	117.7	22.5	15.5
G97.0	23.0	93.5	267.1	409.4	474.0	405.4	272.9	109.1	22.2	15.2
G98.0	22.9	88.8	253.3	386.5	457.6	379.4	255.6	102.4	22.4	14.9
G99.0	22.3	83.0	234.8	364.8	434.6	361.5	242.4	97.4	22.2	14.3
G100.0	22.4	78.7	218.6	343.2	412.8	347.3	226.8	92.8	22.7	13.7
G101.0	22.6	74.9	201.8	322.2	396.5	332.9	210.4	88.1	22.3	13.0
G102.0	22.7	71.5	191.7	301.5	376.6	321.1	193.4	83.2	22.4	12.7
G103.0	22.4	68.9	178.1	286.0	350.2	300.0	178.9	79.3	22.4	12.7
G104.0	22.5	66.6	164.4	268.7	319.4	278.7	169.4	76.6	22.2	12.2
G105.0	22.5	64.2	154.1	256.6	298.9	252.8	157.2	73.8	22.2	10.7
G106.0	22.3	61.9	147.4	241.3	282.7	232.0	149.4	71.8	21.8	11.2
G107.0	21.9	60.8	140.4	217.9	267.4	220.4	141.6	71.0	21.6	10.7
G108.0	22.0	60.4	133.5	200.9	248.6	210.9	135.3	70.1	21.4	10.3
G109.0	21.4	60.2	125.9	190.0	231.8	197.4	130.3	69.4	20.6	10.2
G110.0	21.3	59.9	118.6	181.3	218.8	185.9	123.7	69.3	20.6	9.8

C Plane (°):0.0-360.0: 22.5

Test Lab:

Test Type: TYPE C

Temperature: 25.8 °C

Operator:

Gamma Plane (°):0.0-180.0:1.0

Test Device: GPM-3000

Distance: 14.040 m [K=1.0000]

Humidity:

Inspector:

Candlepower Table (Continue 3)

Unit: cd

G\C	C0.0	C22.5	C45.0	C67.5	C90.0	C112.5	C135.0	C157.5	C180.0	C202.5
G111.0	21.1	59.4	112.7	173.5	210.7	176.6	117.8	68.3	20.5	9.2
G112.0	20.8	58.4	107.0	165.5	201.3	168.1	112.7	67.7	20.3	8.7
G113.0	20.2	57.5	101.5	157.1	190.8	160.7	106.6	65.8	19.6	8.0
G114.0	19.8	56.6	97.1	149.9	179.7	154.3	101.6	63.9	19.4	8.0
G115.0	19.5	55.3	92.3	142.4	162.5	148.1	97.0	61.2	18.6	7.4
G116.0	18.8	53.7	87.8	136.4	142.9	140.8	92.1	58.5	18.3	7.1
G117.0	18.3	51.4	82.9	130.6	124.8	134.5	87.2	55.3	17.7	7.0
G118.0	17.5	48.6	78.2	125.1	113.4	128.5	82.5	51.8	17.1	6.0
G119.0	17.0	45.9	74.2	118.7	105.5	123.6	78.7	48.1	16.7	6.0
G120.0	15.8	42.8	70.6	113.4	98.4	119.3	74.8	44.6	15.4	5.5
G121.0	14.7	40.1	68.0	109.5	94.4	117.0	71.7	40.5	14.5	5.4
G122.0	13.8	36.4	64.6	106.7	90.6	112.2	67.6	37.8	13.5	4.8
G123.0	12.9	34.0	61.3	100.2	87.3	106.2	64.3	35.5	12.1	4.1
G124.0	11.8	31.8	58.4	95.8	85.1	101.3	60.2	33.1	11.8	4.1
G125.0	10.8	29.0	55.6	89.7	81.7	95.3	57.8	31.4	10.4	3.1
G126.0	10.0	27.8	53.2	84.6	76.7	89.6	55.0	29.4	9.8	3.5
G127.0	9.2	25.6	49.4	79.4	71.1	84.6	50.6	27.8	8.7	2.9
G128.0	8.4	23.7	46.3	75.6	67.2	79.9	47.4	26.2	8.0	2.9
G129.0	7.8	22.3	44.0	71.1	63.0	74.6	45.2	24.8	7.5	3.3
G130.0	6.6	21.3	42.6	66.5	59.4	70.4	43.2	22.6	6.1	2.6
G131.0	6.0	19.3	40.6	62.6	55.8	66.3	41.5	21.1	6.1	2.0
G132.0	5.5	17.7	39.1	58.8	52.5	62.4	40.1	19.5	5.6	2.2
G133.0	5.5	15.9	37.4	55.6	49.4	60.0	38.7	17.7	5.3	1.7
G134.0	3.9	14.7	36.0	51.8	46.4	55.7	37.5	16.2	3.8	2.0
G135.0	4.9	13.5	34.9	48.9	44.1	52.7	36.2	15.1	4.8	1.6
G136.0	4.3	12.2	33.6	46.4	40.8	49.8	34.5	14.4	4.4	2.1
G137.0	2.9	11.4	31.9	44.7	38.3	47.7	33.1	13.3	4.0	1.8
G138.0	3.8	9.9	30.2	42.7	36.3	45.6	31.8	12.0	3.5	2.1
G139.0	3.0	8.9	29.3	40.6	34.7	43.5	29.8	10.2	3.5	2.0
G140.0	3.3	7.9	27.5	38.3	33.7	42.1	28.1	9.9	3.1	1.6
G141.0	3.6	6.7	26.4	37.6	32.4	40.2	27.1	9.2	3.2	2.2
G142.0	3.0	6.4	25.7	35.5	31.0	39.0	26.3	8.2	2.5	1.5
G143.0	2.9	5.2	24.8	33.3	30.5	36.7	24.8	7.1	2.8	1.6
G144.0	1.9	5.0	23.3	31.3	29.0	34.3	22.9	5.3	2.5	1.9
G145.0	2.5	4.5	20.8	28.5	27.5	31.8	20.4	4.6	2.0	1.7
G146.0	2.5	4.0	18.8	26.9	25.8	30.2	18.0	3.8	2.3	2.0
G147.0	2.1	3.6	17.1	24.8	24.5	27.9	16.2	4.1	2.3	2.1

C Plane (°):0.0-360.0: 22.5

Test Lab:

Test Type: TYPE C

Temperature: 25.8 °C

Operator:

Gamma Plane (°):0.0-180.0:1.0

Test Device: GPM-3000

Distance: 14.040 m [K=1.0000]

Humidity:

Inspector:

Candlepower Table (Continue 4)

Unit: cd

G\C	C0.0	C22.5	C45.0	C67.5	C90.0	C112.5	C135.0	C157.5	C180.0	C202.5
G148.0	2.3	3.0	15.4	22.7	23.5	25.5	14.6	3.7	2.3	2.4
G149.0	2.5	2.9	14.4	20.3	22.0	23.2	12.7	3.4	1.8	1.9
G150.0	2.2	2.7	13.1	18.6	21.2	21.2	11.0	3.7	2.6	2.0
G151.0	2.3	2.4	11.6	16.1	19.2	19.4	9.6	3.1	2.0	2.5
G152.0	2.3	2.4	10.9	14.4	17.3	16.6	8.0	3.0	2.3	2.5
G153.0	2.1	2.5	8.9	12.9	16.1	15.0	6.8	2.8	2.0	2.4
G154.0	1.9	2.0	7.9	11.8	14.9	12.9	5.2	2.5	2.2	2.2
G155.0	2.0	1.8	6.9	10.8	13.2	11.0	4.4	2.8	2.3	2.5
G156.0	2.5	2.3	6.0	9.5	11.8	9.9	2.2	2.7	2.1	2.4
G157.0	1.8	2.1	4.9	8.6	10.0	8.0	2.4	2.2	2.1	2.5
G158.0	2.0	2.3	3.5	7.3	9.2	6.3	2.8	2.5	2.2	2.6
G159.0	2.2	1.8	3.2	6.9	7.5	5.4	2.3	2.8	2.4	2.6
G160.0	2.3	2.2	1.9	5.3	6.3	4.1	2.4	3.2	2.0	2.5
G161.0	1.9	1.6	2.2	5.0	5.4	2.6	3.1	2.7	2.2	2.5
G162.0	2.2	1.9	1.9	3.5	3.5	2.7	2.7	3.2	1.9	2.5
G163.0	2.1	1.5	2.1	2.3	3.1	2.4	3.1	3.4	2.5	2.5
G164.0	2.5	1.9	2.4	2.2	2.3	3.1	2.5	3.2	2.7	2.7
G165.0	2.5	2.3	2.4	2.3	2.2	2.6	2.2	3.3	2.6	2.8
G166.0	2.5	2.4	2.5	2.3	2.6	2.7	3.0	3.2	2.8	1.7
G167.0	2.4	2.6	2.5	1.8	2.7	2.9	3.4	2.0	2.5	3.1
G168.0	2.4	2.8	2.1	2.5	2.5	3.1	2.7	2.8	2.2	2.7
G169.0	2.5	2.0	2.6	1.8	2.9	3.1	3.5	3.2	2.2	2.5
G170.0	2.2	2.4	2.1	2.6	2.4	3.0	2.1	3.7	2.9	1.9
G171.0	2.6	2.4	2.8	3.1	2.8	2.9	2.7	3.0	2.6	2.7
G172.0	2.7	2.8	3.0	2.5	2.1	3.0	3.5	3.0	2.9	2.5
G173.0	2.3	2.3	2.9	2.2	2.5	3.3	3.0	3.4	2.7	2.7
G174.0	2.9	2.6	2.5	2.7	2.6	3.3	3.4	3.5	2.5	2.9
G175.0	2.0	2.8	3.0	2.5	3.0	3.1	3.2	3.2	2.2	3.0
G176.0	2.9	2.7	2.6	2.6	2.3	2.5	3.1	2.7	2.6	2.4
G177.0	2.7	2.8	2.6	2.6	3.1	3.1	3.1	2.4	2.6	2.9
G178.0	2.4	3.1	3.0	2.9	2.7	2.9	3.3	3.2	2.3	2.8
G179.0	1.9	2.8	2.7	3.1	3.0	2.7	2.5	3.4	2.5	2.4
G180.0	2.8	2.8	3.1	3.0	3.1	2.4	3.1	2.2	2.1	2.8

C Plane (°):0.0-360.0: 22.5
 Test Lab:
 Test Type: TYPE C
 Temperature: 25.8 °C
 Operator:

Gamma Plane (°):0.0-180.0:1.0
 Test Device: GPM-3000
 Distance: 14.040 m [K=1.0000]
 Humidity:
 Inspector:

Candlepower Table (Continue 5)

Unit: cd

G\C	C225.0	C247.5	C270.0	C292.5	C315.0	C337.5	C360.0			
G0.0	1095.0	1095.0	1095.0	1095.0	1095.0	1095.0	1095.0			
G1.0	1086.9	1083.6	1077.9	1076.2	1070.9	1079.7	1088.5			
G2.0	1086.3	1060.4	1049.8	1050.6	1061.0	1067.0	1082.8			
G3.0	1070.7	1044.1	1031.1	1031.2	1036.2	1075.7	1090.5			
G4.0	1047.6	1034.8	1001.4	1021.0	1021.3	1077.0	1101.0			
G5.0	1029.5	1012.7	990.0	998.5	1023.4	1063.0	1105.5			
G6.0	994.9	995.2	957.2	981.9	1003.3	1054.4	1102.7			
G7.0	989.8	947.9	929.5	926.9	998.0	1037.7	1089.5			
G8.0	978.2	938.3	904.5	919.0	976.7	1020.0	1081.8			
G9.0	946.7	909.3	875.6	898.6	935.3	1001.7	1066.4			
G10.0	932.8	880.3	834.2	879.6	918.7	978.3	1065.4			
G11.0	923.9	840.5	788.9	835.9	892.2	972.1	1072.2			
G12.0	905.3	800.5	747.9	794.4	869.1	970.8	1076.3			
G13.0	886.6	766.9	714.5	749.3	839.1	957.8	1076.3			
G14.0	852.1	734.0	678.8	714.4	805.4	953.2	1057.8			
G15.0	815.3	699.3	676.1	681.8	779.3	933.1	1060.2			
G16.0	771.0	679.0	650.7	677.8	753.2	901.7	1055.5			
G17.0	730.5	661.6	619.0	658.9	727.9	879.1	1029.9			
G18.0	701.9	628.4	590.7	625.5	703.2	871.5	1009.6			
G19.0	679.7	603.7	568.6	593.5	679.7	867.8	1010.0			
G20.0	662.3	573.1	579.3	564.2	655.1	826.1	994.0			
G21.0	649.7	564.8	534.6	570.8	638.9	808.6	971.9			
G22.0	642.1	574.8	512.1	561.2	618.7	796.7	985.9			
G23.0	615.0	529.0	490.8	518.8	604.1	772.5	973.2			
G24.0	576.4	500.3	437.4	494.7	561.2	764.3	936.5			
G25.0	550.6	485.0	387.7	465.2	520.0	713.7	927.8			
G26.0	505.4	450.5	354.6	415.4	502.9	675.4	900.0			
G27.0	478.1	397.1	323.0	377.1	489.3	651.8	883.7			
G28.0	467.0	354.7	295.0	356.5	483.8	627.4	895.1			
G29.0	451.3	330.8	268.3	316.5	457.2	605.9	886.6			
G30.0	437.3	297.2	244.8	288.1	424.2	587.0	862.1			
G31.0	415.5	279.4	223.1	266.6	404.8	555.4	843.0			
G32.0	392.9	274.0	204.0	248.3	390.2	539.6	826.3			
G33.0	363.7	267.0	189.8	224.8	368.0	517.3	807.9			
G34.0	342.1	240.2	182.0	205.7	347.0	498.4	799.7			
G35.0	330.7	201.0	180.4	183.9	315.8	497.0	785.1			
G36.0	310.8	176.7	173.9	173.4	281.5	474.7	765.7			

C Plane (°):0.0-360.0: 22.5

Test Lab:

Test Type: TYPE C

Temperature: 25.8 °C

Operator:

Gamma Plane (°):0.0-180.0:1.0

Test Device: GPM-3000

Distance: 14.040 m [K=1.0000]

Humidity:

Inspector:

Candlepower Table (Continue 6)

Unit: cd

G\C	C225.0	C247.5	C270.0	C292.5	C315.0	C337.5	C360.0			
G37.0	286.7	167.3	165.9	168.0	255.8	460.6	750.8			
G38.0	263.4	161.4	159.8	164.5	244.7	435.3	739.0			
G39.0	248.1	156.3	155.8	158.1	231.2	430.8	728.8			
G40.0	227.4	150.4	150.0	150.9	213.3	414.3	697.1			
G41.0	206.9	144.5	145.3	146.0	195.6	382.4	687.9			
G42.0	182.9	139.1	142.0	140.8	175.9	367.2	680.1			
G43.0	166.4	134.0	137.1	135.8	162.0	345.3	675.8			
G44.0	156.0	129.6	129.5	129.8	154.2	324.1	651.4			
G45.0	146.7	124.5	120.7	124.3	148.2	312.8	633.3			
G46.0	138.2	118.3	114.1	117.3	145.6	299.0	628.0			
G47.0	131.5	109.1	109.8	110.5	143.4	294.7	600.3			
G48.0	126.8	102.7	107.6	105.5	132.7	270.3	598.1			
G49.0	123.1	98.1	103.5	100.8	120.5	256.6	570.2			
G50.0	118.9	93.5	100.0	97.5	114.2	234.4	551.7			
G51.0	112.7	90.9	96.9	95.4	110.0	218.5	550.3			
G52.0	105.9	88.7	94.2	92.2	105.8	208.9	543.9			
G53.0	99.3	86.1	90.0	89.1	98.5	192.1	513.7			
G54.0	94.3	82.7	87.5	86.3	92.1	179.8	507.7			
G55.0	88.3	80.1	84.0	83.0	86.1	170.8	499.1			
G56.0	81.5	76.7	81.7	79.7	81.4	165.5	473.0			
G57.0	76.1	73.0	78.0	76.7	77.8	145.4	464.8			
G58.0	72.6	70.2	75.4	73.4	75.2	129.6	461.4			
G59.0	70.1	67.8	71.7	70.2	71.9	123.1	446.7			
G60.0	67.9	64.0	68.6	67.2	69.7	115.8	428.6			
G61.0	65.1	60.7	65.4	63.5	67.3	110.2	396.0			
G62.0	62.1	57.5	61.3	61.1	64.7	105.1	391.7			
G63.0	59.2	55.1	58.0	58.2	62.6	100.1	369.6			
G64.0	57.0	52.1	53.4	54.8	60.3	96.7	360.3			
G65.0	54.1	48.4	50.1	51.1	57.8	91.9	337.9			
G66.0	52.0	45.1	47.2	48.1	54.7	88.8	324.8			
G67.0	49.4	42.0	44.8	43.9	51.7	85.2	306.0			
G68.0	46.5	38.8	41.8	41.0	48.8	80.7	290.6			
G69.0	44.0	35.1	38.4	37.3	46.4	76.8	267.3			
G70.0	41.0	32.0	34.1	34.0	43.5	72.7	248.1			
G71.0	37.9	28.9	30.3	30.9	40.4	69.4	227.3			
G72.0	35.2	25.5	26.1	27.5	37.0	65.3	212.1			
G73.0	32.8	22.7	21.7	24.9	34.3	62.2	189.3			

C Plane (°):0.0-360.0: 22.5
 Test Lab:
 Test Type: TYPE C
 Temperature: 25.8 °C
 Operator:

Gamma Plane (°):0.0-180.0:1.0
 Test Device: GPM-3000
 Distance: 14.040 m [K=1.0000]
 Humidity:
 Inspector:

Candlepower Table (Continue 7)

Unit: cd

G\C	C225.0	C247.5	C270.0	C292.5	C315.0	C337.5	C360.0			
G74.0	30.2	19.4	18.8	22.2	32.0	59.6	168.6			
G75.0	27.1	16.5	15.6	18.5	29.0	56.2	149.1			
G76.0	24.1	13.6	12.6	14.5	25.9	52.6	133.3			
G77.0	22.0	10.4	8.9	11.3	23.4	50.1	119.3			
G78.0	19.8	6.3	4.3	8.1	20.8	46.7	105.8			
G79.0	17.3	2.5	2.2	4.1	18.0	44.0	93.3			
G80.0	14.9	1.7	1.9	1.5	16.0	41.5	82.5			
G81.0	13.3	1.7	2.1	1.8	13.9	38.8	72.9			
G82.0	11.0	1.9	2.1	1.5	10.3	36.8	65.1			
G83.0	10.9	2.1	2.4	2.1	9.4	34.4	58.0			
G84.0	9.1	1.8	1.5	1.7	8.9	32.4	52.3			
G85.0	8.4	1.8	2.3	1.9	7.8	29.9	47.4			
G86.0	8.3	1.8	2.2	2.0	7.0	28.3	42.2			
G87.0	7.7	2.1	1.6	2.2	6.2	26.6	39.2			
G88.0	7.0	2.0	1.9	1.6	6.6	25.0	36.7			
G89.0	7.0	2.0	1.8	2.2	5.6	23.5	33.5			
G90.0	5.9	1.5	1.8	1.8	5.4	21.9	31.4			
G91.0	5.2	1.7	2.5	2.0	5.3	20.6	30.1			
G92.0	6.1	2.0	2.2	2.1	5.1	20.1	27.0			
G93.0	5.3	1.7	2.3	2.1	3.8	19.3	25.3			
G94.0	4.4	1.7	2.5	2.2	4.7	18.4	24.8			
G95.0	4.5	2.4	2.2	2.5	4.2	17.7	24.1			
G96.0	4.3	2.5	2.4	2.2	4.3	17.2	23.8			
G97.0	4.0	2.3	1.7	2.0	3.6	17.3	23.0			
G98.0	3.6	2.0	2.4	2.2	2.8	16.4	22.9			
G99.0	2.9	1.9	2.3	2.0	3.0	15.7	22.3			
G100.0	2.9	2.3	2.1	2.4	3.0	15.1	22.4			
G101.0	3.3	2.1	2.4	2.0	3.3	14.3	22.6			
G102.0	3.0	2.2	2.9	2.1	3.3	13.8	22.7			
G103.0	2.4	2.2	2.3	2.6	2.8	13.5	22.4			
G104.0	2.1	2.5	1.6	2.0	2.8	13.3	22.5			
G105.0	2.5	2.4	2.5	1.7	2.6	13.0	22.5			
G106.0	2.8	2.3	2.7	2.2	3.0	12.5	22.3			
G107.0	2.0	2.2	2.8	2.5	2.9	12.3	21.9			
G108.0	2.9	2.2	2.4	2.4	2.3	12.1	22.0			
G109.0	2.3	2.4	2.7	2.0	2.4	11.2	21.4			
G110.0	1.9	2.1	2.5	2.1	2.3	10.8	21.3			

C Plane (°):0.0-360.0: 22.5

Test Lab:

Test Type: TYPE C

Temperature: 25.8 °C

Operator:

Gamma Plane (°):0.0-180.0:1.0

Test Device: GPM-3000

Distance: 14.040 m [K=1.0000]

Humidity:

Inspector:

Candlepower Table (Continue 8)

Unit: cd

G\C	C225.0	C247.5	C270.0	C292.5	C315.0	C337.5	C360.0			
G111.0	2.0	2.6	2.5	2.3	2.2	9.9	21.1			
G112.0	1.9	2.1	2.8	2.2	1.8	9.6	20.8			
G113.0	2.1	2.2	2.0	1.9	2.3	9.4	20.2			
G114.0	1.9	2.1	2.3	2.6	2.4	9.3	19.8			
G115.0	1.3	2.3	2.0	2.2	1.8	8.6	19.5			
G116.0	1.8	2.2	2.4	2.7	2.2	7.7	18.8			
G117.0	2.1	1.9	2.9	2.9	2.2	7.7	18.3			
G118.0	2.0	2.5	1.9	2.3	2.7	7.4	17.5			
G119.0	1.7	2.0	2.5	2.7	2.4	6.9	17.0			
G120.0	1.8	1.9	2.5	2.5	2.2	5.9	15.8			
G121.0	1.5	2.0	2.4	2.2	2.2	6.3	14.7			
G122.0	1.7	2.3	2.3	2.1	2.2	5.9	13.8			
G123.0	1.7	2.1	2.5	2.4	2.6	5.0	12.9			
G124.0	1.3	2.2	2.2	2.4	1.7	4.1	11.8			
G125.0	1.4	2.0	2.6	2.6	2.1	4.4	10.8			
G126.0	1.8	2.1	2.8	2.6	2.1	4.5	10.0			
G127.0	1.8	2.4	1.3	2.2	2.6	4.1	9.2			
G128.0	1.7	2.7	2.4	2.5	1.8	4.0	8.4			
G129.0	1.8	2.3	2.3	2.2	2.2	3.6	7.8			
G130.0	1.9	1.2	2.9	2.3	2.8	3.2	6.6			
G131.0	1.6	1.8	2.5	2.7	2.0	3.2	6.0			
G132.0	0.8	2.6	2.7	2.7	2.3	3.1	5.5			
G133.0	1.9	2.3	2.6	2.7	1.9	2.7	5.5			
G134.0	1.8	2.4	2.8	2.9	2.2	3.0	3.9			
G135.0	1.9	2.5	2.8	2.9	3.0	2.8	4.9			
G136.0	2.3	2.4	2.8	3.0	2.6	2.7	4.3			
G137.0	1.9	3.0	2.0	2.9	2.4	2.7	2.9			
G138.0	2.5	2.9	2.0	2.9	2.7	2.7	3.8			
G139.0	1.9	2.5	3.4	2.9	2.9	2.9	3.0			
G140.0	2.1	2.6	1.1	3.0	3.1	2.7	3.3			
G141.0	2.8	2.9	3.1	1.8	2.6	2.7	3.6			
G142.0	1.6	3.5	2.4	2.8	2.4	2.3	3.0			
G143.0	2.2	2.9	2.8	3.6	3.0	2.4	2.9			
G144.0	2.5	3.4	3.1	3.3	3.0	3.0	1.9			
G145.0	2.9	3.0	3.2	2.6	3.2	3.1	2.5			
G146.0	2.9	3.1	3.5	2.6	3.1	3.0	2.5			
G147.0	2.4	2.7	2.8	3.3	2.3	3.2	2.1			

C Plane (°):0.0-360.0: 22.5
 Test Lab:
 Test Type: TYPE C
 Temperature: 25.8 °C
 Operator:

Gamma Plane (°):0.0-180.0:1.0
 Test Device: GPM-3000
 Distance: 14.040 m [K=1.0000]
 Humidity:
 Inspector:

Candlepower Table (Continue 9)

Unit: cd

G\C	C225.0	C247.5	C270.0	C292.5	C315.0	C337.5	C360.0			
G148.0	3.1	3.4	3.5	3.4	3.2	3.0	2.3			
G149.0	2.5	3.3	3.3	3.3	3.3	2.8	2.5			
G150.0	2.0	3.2	3.3	2.4	3.1	3.2	2.2			
G151.0	2.8	3.4	3.5	3.8	2.8	3.2	2.3			
G152.0	2.9	3.4	2.3	3.0	2.4	3.1	2.3			
G153.0	2.6	3.5	3.5	3.8	3.3	3.5	2.1			
G154.0	3.3	3.4	3.4	3.5	3.9	2.8	1.9			
G155.0	2.9	3.4	3.5	2.9	3.0	3.4	2.0			
G156.0	2.7	3.4	3.6	3.5	2.9	2.8	2.5			
G157.0	3.0	2.1	3.4	3.5	3.6	3.4	1.8			
G158.0	2.9	3.3	3.8	3.5	2.9	2.6	2.0			
G159.0	3.5	3.7	3.0	3.4	3.6	2.8	2.2			
G160.0	3.1	3.7	3.8	3.6	3.6	2.9	2.3			
G161.0	3.4	3.4	3.6	3.5	3.7	3.5	1.9			
G162.0	3.2	3.8	3.0	4.0	3.6	3.1	2.2			
G163.0	3.1	3.8	3.4	3.5	3.6	3.9	2.1			
G164.0	3.0	3.7	3.5	3.5	3.6	2.8	2.5			
G165.0	3.2	4.1	3.6	3.7	2.3	3.3	2.5			
G166.0	2.5	3.7	3.5	4.0	3.6	3.5	2.5			
G167.0	2.4	3.8	3.8	3.4	3.8	3.4	2.4			
G168.0	3.1	4.0	2.7	3.8	3.7	3.2	2.4			
G169.0	2.7	1.8	3.6	3.6	3.1	3.4	2.5			
G170.0	3.0	3.9	3.4	3.6	3.2	3.5	2.2			
G171.0	2.9	3.3	3.6	3.5	4.0	3.6	2.6			
G172.0	3.2	3.4	3.2	3.9	3.6	3.9	2.7			
G173.0	2.7	3.5	3.4	3.9	3.0	3.9	2.3			
G174.0	3.0	3.3	3.3	3.2	3.8	3.0	2.9			
G175.0	3.1	3.5	3.5	3.5	3.3	2.8	2.0			
G176.0	3.2	3.0	3.0	3.4	3.2	2.9	2.9			
G177.0	3.1	3.2	2.4	3.4	3.3	3.0	2.7			
G178.0	3.0	2.9	2.8	2.8	3.2	3.0	2.4			
G179.0	2.5	3.1	2.8	2.9	3.2	2.1	1.9			
G180.0	2.8	3.1	3.0	3.1	2.4	3.1	2.8			

C Plane (°):0.0-360.0: 22.5
 Test Lab:
 Test Type: TYPE C
 Temperature: 25.8 °C
 Operator:

Gamma Plane (°):0.0-180.0:1.0
 Test Device: GPM-3000
 Distance: 14.040 m [K=1.0000]
 Humidity:
 Inspector: