



Deliver

IES INDOOR REPORT

PHOTOMETRIC FILENAME : ASD-LVP10M-4N3150-PRM

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST]
[TESTLAB] Deliver Co., Ltd.
[TESTDATE] 2018-03-10
[ISSUEDATE] 2018-03-11 16:05:37
[NEARFIELD]
[LAMPPOSITION] 0,0
[OTHER]
[MANUFAC] ASD Lighting Corp
[LUMINAIRE] ASD-LVP10M-4N3150-PRM
[LAMP]

CHARACTERISTICS

Lumens Per Lamp	4030 (1 lamp)
Total Lamp Lumens	4030
Luminaire Lumens	4030
Total Luminaire Efficiency	100 %
Luminaire Efficacy Rating (LER)	130
Total Luminaire Watts	30.242
Ballast Factor	31
CIE Type	Direct
Spacing Criterion (0-180)	1.42
Spacing Criterion (90-270)	1.26
Spacing Criterion (Diagonal)	1.32
Basic Luminous Shape	Rectangular
Luminous Length (0-180)	0.16 m
Luminous Width (90-270)	0.21 m
Luminous Height	0.00 m

LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	59477	48564	35014
55	63650	35844	32507
65	57921	32662	31525
75	40856	31914	35768
85	28986	67018	166070

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CANDELA TABULATION - (Cont.)

180 2.160 2.160 2.160 2.160 2.160 2.160 2.160 2.160 2.160

Vert. Horizontal Angles
Angles

	<u>300</u>	<u>310</u>	<u>320</u>	<u>330</u>	<u>340</u>	<u>350</u>	<u>360</u>
0	1626.694	1626.694	1626.694	1626.694	1626.694	1626.694	1626.694
5	1524.530	1534.590	1553.300	1578.570	1608.780	1627.420	1625.260
10	1588.440	1576.340	1548.930	1521.260	1540.720	1604.320	1624.150
15	1330.920	1474.130	1576.720	1568.410	1519.270	1552.220	1605.850
20	1139.650	1095.270	1252.320	1533.380	1552.660	1518.640	1580.160
25	1419.890	1236.480	1044.660	1201.130	1561.430	1514.800	1559.030
30	1194.800	1367.860	1248.000	983.080	1367.520	1541.170	1534.010
35	1084.020	1171.180	1337.410	1087.560	1042.810	1537.110	1494.190
40	813.220	939.270	1155.480	1255.230	854.850	1423.340	1454.290
45	659.480	710.320	851.160	1180.630	907.400	1197.570	1413.690
50	550.570	584.020	638.990	892.990	1008.420	953.440	1354.830
55	482.750	495.600	507.820	616.050	918.110	783.640	1227.190
60	382.250	393.280	417.870	453.000	680.380	690.740	1052.940
65	308.480	324.510	330.320	346.310	467.780	582.250	822.820
70	233.190	231.980	244.350	259.130	314.310	427.120	567.010
75	227.980	188.450	175.260	178.030	208.770	279.450	355.450
80	283.940	204.980	150.940	126.830	125.190	156.170	193.570
85	245.490	212.000	145.820	99.080	74.920	74.530	84.920
90	178.660	154.790	114.680	70.780	44.280	29.940	30.190
95	70.420	53.040	6.960	7.890	11.540	12.970	17.800
100	64.560	60.090	43.840	24.690	11.060	6.880	9.490
105	40.800	39.040	29.160	8.800	4.030	3.160	3.910
110	27.820	16.160	7.630	7.870	1.910	1.260	1.070
115	3.070	15.420	10.680	4.300	2.300	1.230	1.020
120	12.360	9.130	5.610	3.780	2.290	1.350	1.320
125	6.890	4.870	4.120	3.200	2.210	1.470	1.510
130	4.440	3.680	3.220	2.750	1.990	1.540	1.590
135	3.710	3.290	2.860	2.300	1.750	1.510	1.640
140	3.330	2.970	2.620	1.990	1.700	1.600	1.690
145	2.870	2.650	2.290	1.930	1.700	1.720	1.740
150	2.590	2.400	2.130	1.890	1.700	1.810	1.750
155	2.330	2.220	2.040	1.860	1.710	1.910	1.830
160	2.080	2.000	1.920	1.860	1.850	1.910	1.860
165	1.880	1.850	1.790	1.780	1.900	1.890	1.870
170	1.660	1.680	1.740	1.810	1.800	1.800	1.790
175	1.870	1.880	1.910	1.870	1.880	1.880	1.870
180	2.160	2.160	2.160	2.160	2.160	2.160	2.160

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	565.77	13.10	13.10
0-30	1193.91	27.70	27.60
0-40	1954.87	45.30	45.20
0-60	3288.32	76.30	76.10
0-80	3982.63	92.40	92.20
0-90	4188.11	97.10	96.90
10-90	4038.86	93.70	93.50
20-40	1389.1	32.20	32.20
20-50	2120.73	49.20	49.10
40-70	1753.59	40.70	40.60
60-80	694.31	16.10	16.10
70-80	274.17	6.40	6.30
80-90	205.48	4.80	4.80
90-110	108.67	2.50	2.50
90-120	119.30	2.80	2.80
90-130	125.46	2.90	2.90
90-150	130.16	3.00	3.00
90-180	132.21	3.10	3.10
110-180	23.54	0.50	0.50
0-180	4320.32	100.20	100.00

Total Luminaire Efficiency = 100.20%

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	149.24
10-20	416.53
20-30	628.15
30-40	760.96
40-50	731.63
50-60	601.83
60-70	420.13
70-80	274.17
80-90	205.48
90-100	77.12
100-110	31.55
110-120	10.63
120-130	6.16
130-140	2.85
140-150	1.84
150-160	1.21
160-170	0.65
170-180	0.20

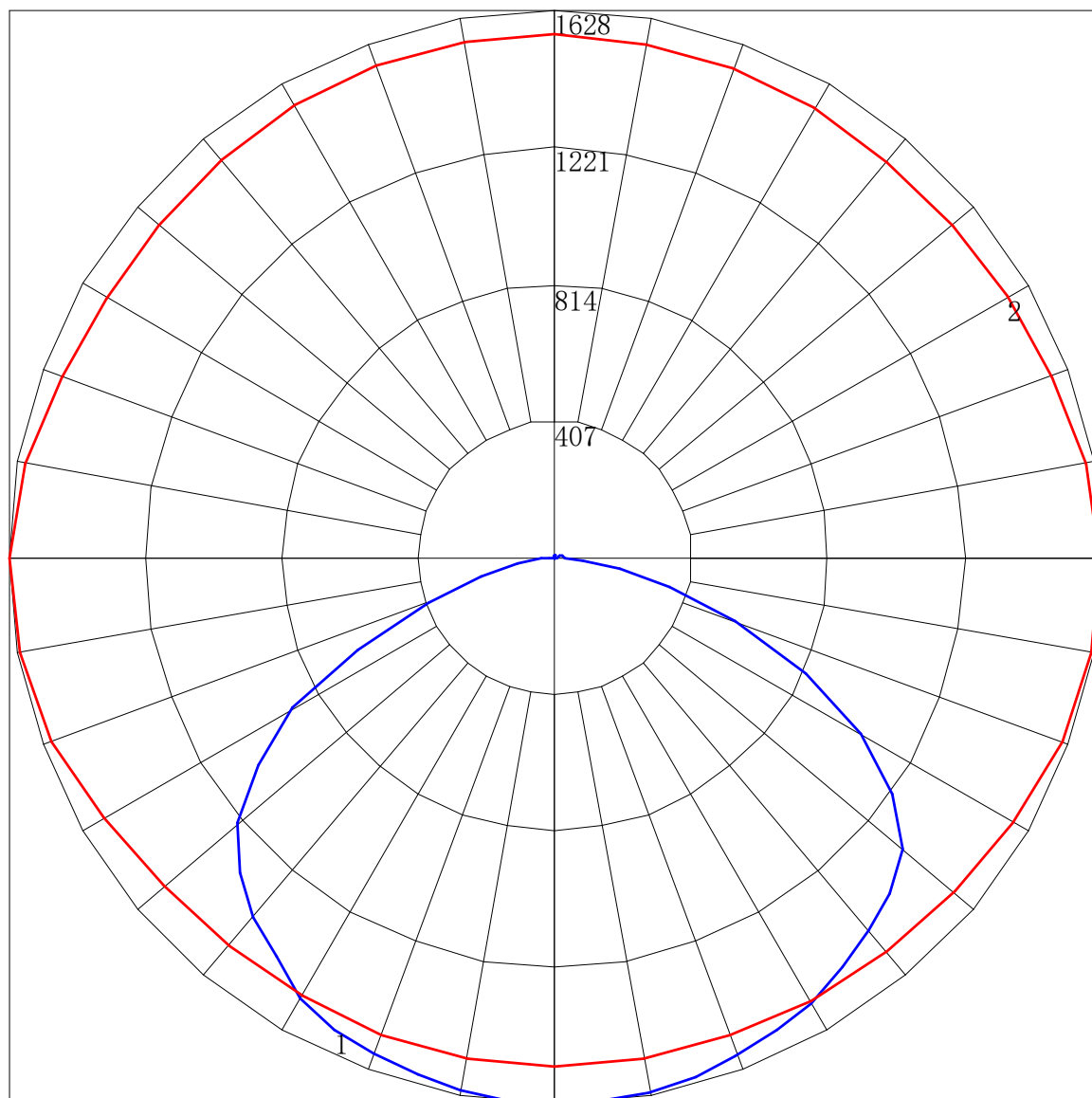
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

Effective Floor Cavity Reflectance 0.20

RC RW	80				70				50			30			10			0
	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
0	119	119	119	119	115	115	115	115	110	110	110	104	104	104	99	99	99	97
1	107	102	98	94	104	100	96	92	95	91	88	90	88	85	86	84	82	80
2	98	89	82	77	95	87	81	75	83	78	73	79	75	71	76	72	69	67
3	89	79	71	64	87	77	69	63	74	67	62	70	65	60	68	63	59	57
4	82	70	61	55	80	69	60	54	66	59	53	63	57	52	60	55	51	49
5	76	63	54	47	73	62	53	47	59	52	46	57	50	45	55	49	45	42
6	70	57	48	41	68	56	47	41	54	46	41	52	45	40	50	44	39	37
7	65	52	43	37	63	51	42	37	49	41	36	47	40	36	45	40	35	33
8	61	47	39	33	59	46	38	33	45	37	32	43	37	32	42	36	32	30
9	57	43	35	30	55	43	35	29	41	34	29	40	33	29	39	33	29	27
10	53	40	32	27	52	39	32	27	38	31	27	37	31	26	36	30	26	24

POLAR GRAPH



Maximum Candela = 1628.29 Located At Horizontal Angle = 180, Vertical Angle = 5

1 - Vertical Plane Through Horizontal Angles (180 - 0) (Through Max. Cd.)

2 - Horizontal Cone Through Vertical Angle (5) (Through Max. Cd.)