



IES INDOOR REPORT
PHOTOMETRIC FILENAME : LAP-4-LED-SS-35.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST]
[TESTLAB]Orb Optronix, Inc.
[TESTDATE]12-01-2016
[ISSUE DATE]01-17-2017
[MANUFACTURER]LSI INDUSTRIES, INC
[LUMEN CATEGORY]LAP-4-LED-SS-35
[OTHER]TEST PROCEDURE: IESNA LM-79-08
[_ABSOLUTE]NOTE: DATA SHOWN IS ABSOLUTE FOR THE SAMPLE PROVIDED
[OTHER]SCALED FROM ORIGINAL TEST DATA
[_SEARCH_SOURCE TYPE] LED
[_SEARCH_APPLICATION] Indoor

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	4385
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	114
Total Luminaire Watts	38.5
Ballast Factor	1.00
CIE Type	Semi-Indirect
Spacing Criterion (0-180)	N.A.
Spacing Criterion (90-270)	N.A.
Spacing Criterion (Diagonal)	N.A.
Basic Luminous Shape	Rectangular
Luminous Length (0-180)	4.00 ft
Luminous Width (90-270)	0.81 ft
Luminous Height	0.00 ft

LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	746	658	544
55	793	664	474
65	887	710	434
75	1116	865	485
85	2296	1841	970

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CANDELA TABULATION

	<u>0</u>	<u>10</u>	<u>20</u>	<u>30</u>	<u>40</u>	<u>50</u>	<u>60</u>	<u>70</u>	<u>80</u>	<u>90</u>
0	210.438	210.438	210.438	210.438	210.438	210.438	210.438	210.438	210.438	210.438
10	212.509	213.175	213.652	212.419	210.475	208.737	206.727	205.510	203.818	201.053
20	206.160	205.513	205.393	202.870	199.440	196.365	193.294	189.453	187.357	185.530
30	190.544	190.239	188.081	184.631	179.861	175.246	171.169	167.777	165.022	163.111
40	169.663	170.532	167.479	162.192	156.318	150.026	144.234	139.327	135.566	133.067
50	148.252	147.494	145.071	139.079	131.438	123.060	114.784	107.256	101.705	98.729
60	125.735	125.028	121.936	116.077	107.177	97.320	87.158	77.418	69.637	65.264
70	100.060	99.699	96.430	91.129	83.562	73.460	62.217	52.434	47.913	45.352
80	74.021	73.380	70.759	66.053	59.892	53.030	49.718	42.105	33.648	30.297
90	46.566	45.705	43.529	39.941	36.548	43.895	37.792	35.969	30.769	20.648
100	131.256	126.781	123.585	119.791	119.698	140.029	142.791	122.768	104.503	87.850
110	470.540	463.482	467.150	470.632	477.252	474.581	453.669	388.867	296.347	244.411
120	1006.405	991.514	961.791	909.351	843.381	754.990	670.481	562.439	463.804	409.353
130	1074.904	1062.477	1035.404	986.395	930.987	856.096	768.990	680.931	588.811	535.348
140	1095.493	1084.718	1054.169	1015.071	966.724	907.129	829.644	756.240	679.239	631.426
150	1065.292	1055.785	1038.018	1009.236	967.330	919.260	858.278	797.945	738.211	708.175
160	1000.014	992.972	980.743	955.278	926.448	892.819	854.468	812.573	775.598	761.074
170	894.593	890.267	883.343	872.436	858.525	844.078	825.867	809.187	796.854	793.400
180	810.439	810.439	810.439	810.439	810.439	810.439	810.439	810.439	810.439	810.439

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	77.61	N.A.	1.80
0-30	164.38	N.A.	3.70
0-40	268.24	N.A.	6.10
0-60	477.46	N.A.	10.90
0-80	633.78	N.A.	14.50
0-90	685.21	N.A.	15.60
10-90	665.19	N.A.	15.20
20-40	190.63	N.A.	4.30
20-50	298.64	N.A.	6.80
40-70	296.17	N.A.	6.80
60-80	156.32	N.A.	3.60
70-80	69.37	N.A.	1.60
80-90	51.43	N.A.	1.20
90-110	379.78	N.A.	8.70
90-120	970.67	N.A.	22.10
90-130	1697.41	N.A.	38.70
90-150	2953.59	N.A.	67.40
90-180	3700.13	N.A.	84.40
110-180	3320.34	N.A.	75.70
0-180	4385.34	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	20.02
10-20	57.59
20-30	86.77
30-40	103.86
40-50	108.01
50-60	101.21
60-70	86.95
70-80	69.37
80-90	51.43
90-100	88.33
100-110	291.45
110-120	590.89
120-130	726.74
130-140	682.87
140-150	573.31
150-160	420.24
160-170	247.18
170-180	79.11

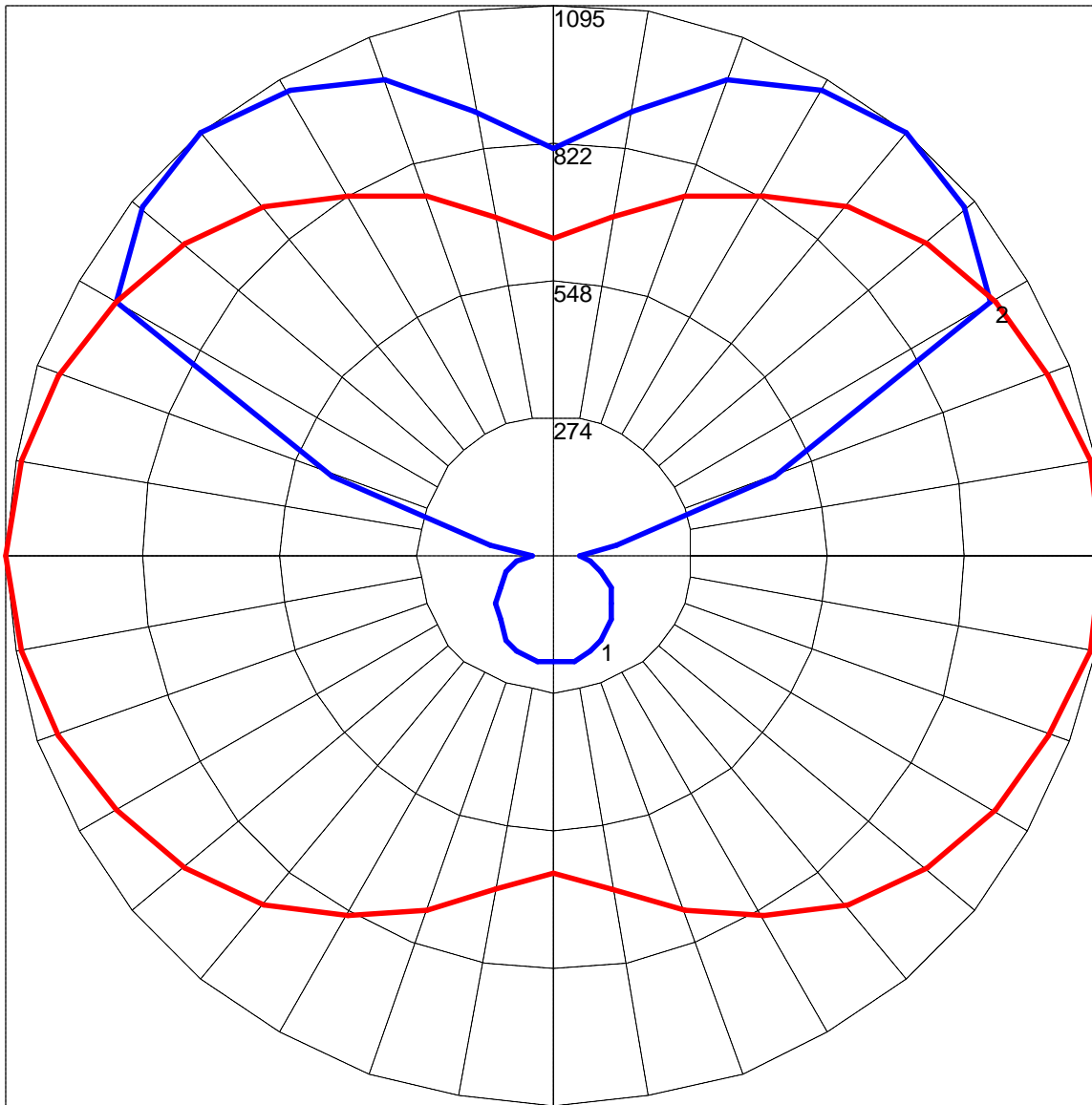
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	99	99	99	99	87	87	87	87	64	64	64	44	44	44	25	25	25	16
1	90	85	81	78	78	75	72	69	55	53	51	37	36	35	21	20	20	12
2	81	74	68	63	71	65	60	56	48	45	42	33	31	29	18	17	16	10
3	74	65	58	52	65	57	51	47	42	38	35	29	26	24	16	15	14	8
4	68	57	50	44	59	50	44	39	37	33	30	25	23	21	14	13	12	7
5	62	51	43	37	54	45	38	33	33	29	25	23	20	18	13	11	10	6
6	57	45	38	32	49	40	33	29	30	25	22	20	17	15	11	10	9	5
7	52	41	33	28	46	36	29	25	27	22	19	18	15	13	10	9	8	5
8	48	37	29	24	42	32	26	22	24	20	17	17	14	12	9	8	7	4
9	45	33	26	21	39	29	23	19	22	18	15	15	12	10	9	7	6	4
10	42	30	23	19	36	27	21	17	20	16	13	14	11	9	8	7	5	3

POLAR GRAPH



Maximum Candela = 1095.493 Located At Horizontal Angle = 0, Vertical Angle = 140
1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (140) (Through Max. Cd.)