



IES INDOOR REPORT
PHOTOMETRIC FILENAME : ASC24-LED-40L-DIM5-50.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST]LED-11086
[TESTLAB]LSI INDUSTRIES, INC
[ISSUE DATE]07/26/19
[TEST DATE]05/20/19
[MANUFACTURER]LSI INDUSTRIES, INC
[LUMEN CATEGORY]ASC24-LED-40L-DIM5-50
[ABSOLUTE]NOTE: DATA SHOWN IS ABSOLUTE FOR THE SAMPLE PROVIDED.
[OTHER]TEST PROCEDURE: IESNA LM-79-08
[SEARCH_SOURCE TYPE] LED
[SEARCH_APPLICATION] Indoor

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	4030
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	145
Total Luminaire Watts	27.8
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.32
Spacing Criterion (90-270)	1.40
Spacing Criterion (Diagonal)	1.48
Basic Luminous Shape	Rectangular
Luminous Length (0-180)	4.00 ft
Luminous Width (90-270)	2.00 ft
Luminous Height	0.00 ft

LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	1660	1766	1867
55	1610	1814	1980
65	1524	1877	1978
75	1309	1776	1704
85	895	1188	1141

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CANDELA TABULATION

	<u>0.0</u>	<u>22.5</u>	<u>45.0</u>	<u>67.5</u>	<u>90.0</u>
0.0	1208	1208	1208	1208	1208
2.5	1208	1214	1211	1207	1209
5.0	1208	1215	1211	1208	1211
7.5	1207	1213	1210	1208	1210
10.0	1201	1209	1207	1206	1209
12.5	1195	1203	1202	1201	1205
15.0	1188	1196	1194	1196	1200
17.5	1173	1183	1185	1188	1193
20.0	1159	1168	1175	1179	1185
22.5	1142	1152	1160	1167	1174
25.0	1124	1133	1144	1153	1161
27.5	1101	1111	1125	1137	1146
30.0	1075	1088	1105	1120	1129
32.5	1050	1061	1081	1099	1110
35.0	1017	1032	1054	1076	1087
37.5	984	1000	1027	1051	1064
40.0	951	966	996	1024	1038
42.5	912	929	964	995	1011
45.0	873	892	929	964	982
47.5	831	850	893	931	951
50.0	782	807	856	898	919
52.5	735	761	815	863	884
55.0	687	715	774	823	845
57.5	637	667	732	781	796
60.0	585	619	688	732	744
62.5	532	570	640	679	686
65.0	479	520	590	619	622
67.5	424	468	535	555	554
70.0	363	415	474	485	480
72.5	307	363	410	412	404
75.0	252	312	342	333	328
77.5	199	259	270	255	244
80.0	148	203	198	184	182
82.5	100	143	129	128	129
85.0	58	78	77	74	74
87.5	21	28	32	39	40
90.0	0	0	0	0	0

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	453.10	N.A.	11.20
0-30	980.41	N.A.	24.30
0-40	1640.05	N.A.	40.70
0-60	3043.11	N.A.	75.50
0-80	3940.53	N.A.	97.80
0-90	4029.88	N.A.	100.00
10-90	3914.43	N.A.	97.10
20-40	1186.95	N.A.	29.50
20-50	1902.93	N.A.	47.20
40-70	1964.57	N.A.	48.80
60-80	897.42	N.A.	22.30
70-80	335.91	N.A.	8.30
80-90	89.35	N.A.	2.20
90-110	0.00	N.A.	0.00
90-120	0.00	N.A.	0.00
90-130	0.00	N.A.	0.00
90-150	0.00	N.A.	0.00
90-180	0.00	N.A.	0.00
110-180	0.00	N.A.	0.00
0-180	4029.88	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	115.45
10-20	337.65
20-30	527.31
30-40	659.64
40-50	715.97
50-60	687.09
60-70	561.51
70-80	335.91
80-90	89.35
90-100	0.00
100-110	0.00
110-120	0.00
120-130	0.00
130-140	0.00
140-150	0.00
150-160	0.00
160-170	0.00
170-180	0.00

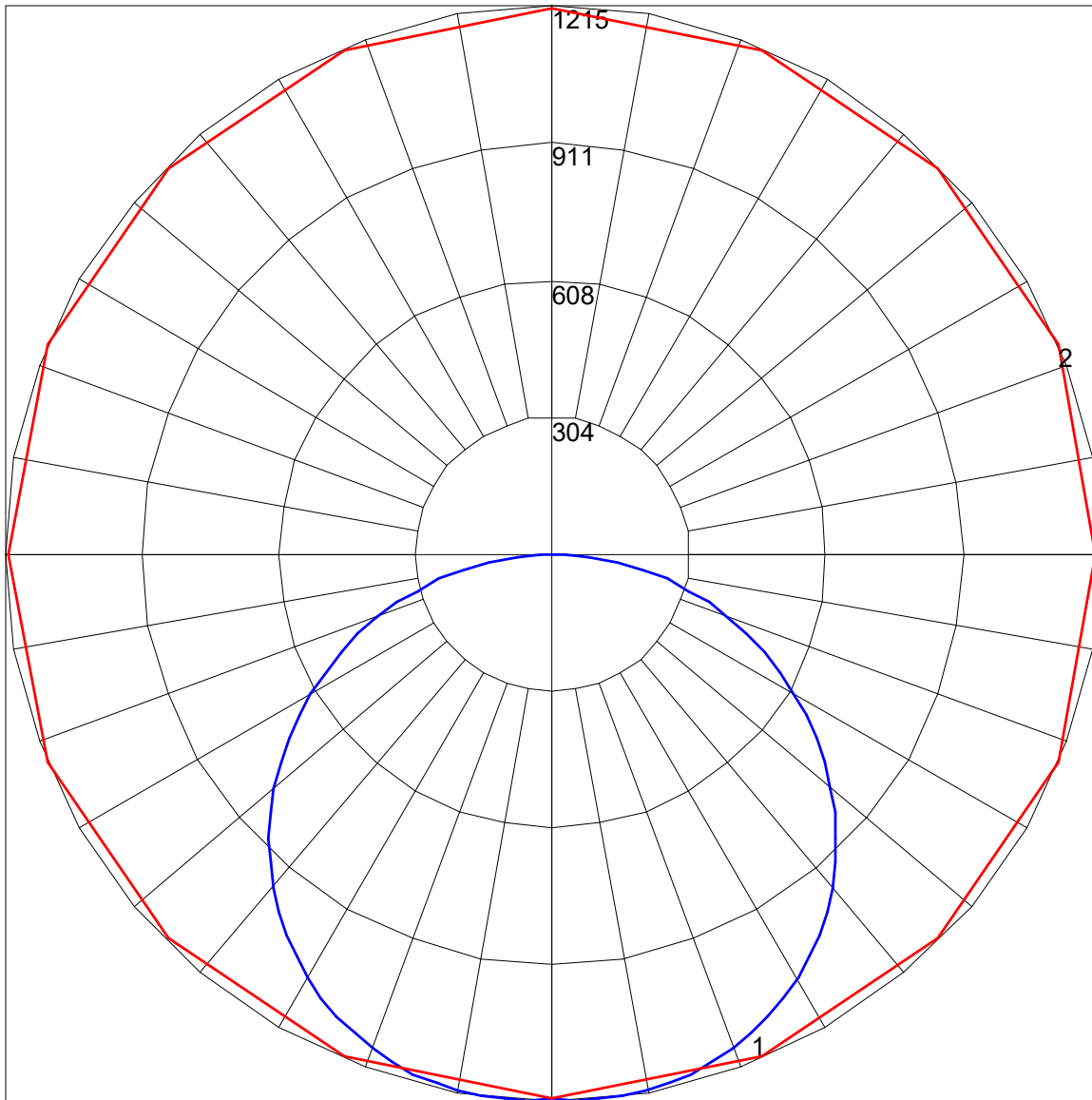
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

Effective Floor Cavity Reflectance 0.20

RC	80				70				50			30			10			0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	108	103	98	94	105	101	97	93	96	93	90	92	90	87	89	87	85	82
2	98	89	82	76	95	87	80	75	83	78	73	80	75	71	77	73	70	68
3	89	78	69	62	86	76	68	62	73	66	60	70	64	59	68	63	58	56
4	81	68	59	52	78	67	58	52	64	57	51	62	56	50	60	54	50	47
5	74	61	51	44	72	60	51	44	57	50	44	55	49	43	53	48	43	40
6	68	54	45	39	66	53	45	38	52	44	38	50	43	38	48	42	37	35
7	63	49	40	34	61	48	40	34	47	39	33	45	38	33	44	38	33	31
8	59	45	36	30	57	44	36	30	43	35	30	41	35	29	40	34	29	27
9	55	41	33	27	53	40	32	27	39	32	27	38	31	26	37	31	26	24
10	51	38	30	24	50	37	29	24	36	29	24	35	29	24	34	28	24	22

POLAR GRAPH



Maximum Candela = 1215 Located At Horizontal Angle = 22.5, Vertical Angle = 5
1 - Vertical Plane Through Horizontal Angles (22.5 - 202.5) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (5) (Through Max. Cd.)