



IES INDOOR REPORT
PHOTOMETRIC FILENAME : ASC24-LED-40L-DIM1-50.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST]LED-11058
[TESTLAB]LSI INDUSTRIES, INC
[ISSUE DATE]07/26/19
[TEST DATE]05/10/19
[MANUFACTURER]LSI INDUSTRIES, INC
[LUMEN CATEGORY]ASC24-LED-40L-DIM1-50
[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	4021
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	138
Total Luminaire Watts	29.2
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.34
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	1665	1768	1863
55	1622	1816	1962
65	1536	1870	1950
75	1335	1750	1626
85	910	1141	1218

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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	1211	1211	1211	1211	1211
2.5	1214	1217	1214	1210	1211
5.0	1215	1218	1214	1211	1212
7.5	1213	1216	1212	1210	1211
10.0	1209	1212	1209	1208	1209
12.5	1201	1205	1204	1203	1205
15.0	1194	1197	1197	1198	1200
17.5	1179	1186	1187	1190	1194
20.0	1165	1171	1176	1180	1185
22.5	1148	1154	1162	1168	1174
25.0	1129	1135	1145	1154	1161
27.5	1106	1114	1126	1138	1146
30.0	1081	1090	1105	1120	1128
32.5	1053	1064	1082	1099	1108
35.0	1024	1034	1056	1076	1087
37.5	990	1003	1027	1050	1063
40.0	955	968	997	1023	1037
42.5	918	931	964	995	1010
45.0	876	893	930	963	980
47.5	832	852	893	931	949
50.0	787	809	855	897	916
52.5	740	764	816	859	881
55.0	692	718	775	821	837
57.5	642	670	731	777	791
60.0	590	622	686	728	738
62.5	537	571	640	672	678
65.0	483	521	588	611	613
67.5	422	468	531	546	543
70.0	367	416	470	477	470
72.5	312	365	405	399	394
75.0	257	314	337	322	313
77.5	203	260	266	245	234
80.0	152	203	191	171	167
82.5	104	139	121	124	127
85.0	59	78	74	82	79
87.5	22	27	23	17	15
90.0	0	0	0	0	0

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	454.04	N.A.	11.30
0-30	982.16	N.A.	24.40
0-40	1642.61	N.A.	40.90
0-60	3046.02	N.A.	75.80
0-80	3935.63	N.A.	97.90
0-90	4020.64	N.A.	100.00
10-90	3904.92	N.A.	97.10
20-40	1188.56	N.A.	29.60
20-50	1905.00	N.A.	47.40
40-70	1961.97	N.A.	48.80
60-80	889.61	N.A.	22.10
70-80	331.06	N.A.	8.20
80-90	85.00	N.A.	2.10
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	4020.64	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	115.72
10-20	338.32
20-30	528.12
30-40	660.44
40-50	716.43
50-60	686.98
60-70	558.55
70-80	331.06
80-90	85.00
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

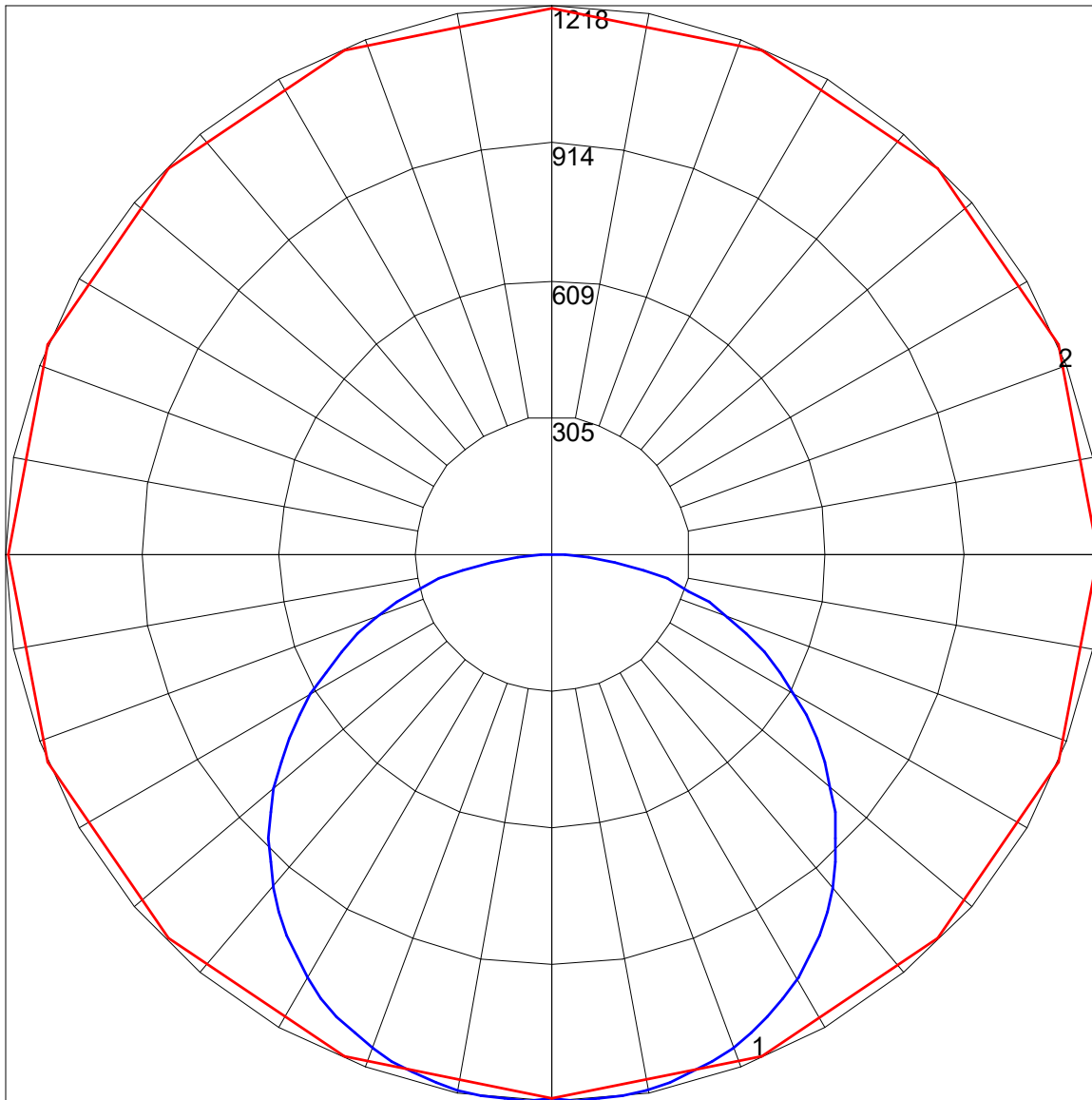
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	99	95	105	101	97	93	97	93	90	93	90	87	89	87	85	82
2	98	89	82	76	95	87	81	75	84	78	73	80	76	72	77	73	70	68
3	89	78	69	62	86	76	68	62	73	66	61	70	64	60	68	63	58	56
4	81	68	59	52	79	67	58	52	64	57	51	62	56	50	60	54	50	47
5	74	61	51	45	72	60	51	44	58	50	44	55	49	43	54	48	43	41
6	68	55	45	39	66	54	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	42	35	30	40	34	29	27
9	55	41	33	27	53	40	32	27	39	32	27	38	31	27	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 = 1218 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.)