



## IES INDOOR REPORT

PHOTOMETRIC FILENAME : ASC22-LED-40L-DIM5-50.IES

### DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002  
[TEST]LED-11084  
[TESTLAB]LSI INDUSTRIES, INC  
[ISSUE DATE]07/26/19  
[TEST DATE]05/20/19  
[MANUFACTURER]LSI INDUSTRIES, INC  
[LUMEN CATEGORY]ASC22-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	4026
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	132
Total Luminaire Watts	30.5
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.30
Spacing Criterion (90-270)	1.42
Spacing Criterion (Diagonal)	1.48
Basic Luminous Shape	Rectangular
Luminous Length (0-180)	2.00 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	3239	3559	3890
55	3094	3600	4111
65	2856	3639	4040
75	2451	3272	3334
85	1573	1912	2468



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**CANDELA TABULATION**

	<u><b>0.0</b></u>	<u><b>22.5</b></u>	<u><b>45.0</b></u>	<u><b>67.5</b></u>	<u><b>90.0</b></u>
<b>0.0</b>	1239	1239	1239	1239	1239
<b>2.5</b>	1237	1238	1242	1245	1244
<b>5.0</b>	1235	1237	1242	1245	1245
<b>7.5</b>	1238	1238	1241	1244	1246
<b>10.0</b>	1229	1236	1241	1242	1243
<b>12.5</b>	1220	1224	1239	1239	1241
<b>15.0</b>	1209	1214	1225	1234	1237
<b>17.5</b>	1199	1203	1215	1231	1231
<b>20.0</b>	1182	1193	1203	1225	1223
<b>22.5</b>	1162	1170	1189	1210	1214
<b>25.0</b>	1140	1149	1174	1193	1202
<b>27.5</b>	1113	1125	1152	1177	1188
<b>30.0</b>	1081	1097	1129	1159	1172
<b>32.5</b>	1049	1066	1104	1139	1154
<b>35.0</b>	1014	1033	1076	1116	1133
<b>37.5</b>	976	997	1044	1091	1109
<b>40.0</b>	937	959	1010	1062	1084
<b>42.5</b>	895	919	974	1032	1054
<b>45.0</b>	852	877	936	1000	1023
<b>47.5</b>	807	834	896	964	990
<b>50.0</b>	760	788	855	928	956
<b>52.5</b>	712	740	812	889	919
<b>55.0</b>	660	691	768	846	877
<b>57.5</b>	607	643	720	802	829
<b>60.0</b>	555	592	674	751	774
<b>62.5</b>	503	542	625	688	708
<b>65.0</b>	449	491	572	620	635
<b>67.5</b>	396	440	515	549	560
<b>70.0</b>	343	389	451	472	481
<b>72.5</b>	290	337	384	394	400
<b>75.0</b>	236	282	315	316	321
<b>77.5</b>	182	229	240	240	242
<b>80.0</b>	135	171	171	163	172
<b>82.5</b>	91	115	106	117	131
<b>85.0</b>	51	60	62	77	80
<b>87.5</b>	20	20	21	14	13
<b>90.0</b>	0	0	0	0	0



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**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	464.86	N.A.	11.50
0-30	1005.25	N.A.	25.00
0-40	1677.56	N.A.	41.70
0-60	3087.21	N.A.	76.70
0-80	3949.94	N.A.	98.10
0-90	4025.7	N.A.	100.00
10-90	3907.27	N.A.	97.10
20-40	1212.69	N.A.	30.10
20-50	1936.04	N.A.	48.10
40-70	1958.45	N.A.	48.60
60-80	862.73	N.A.	21.40
70-80	313.94	N.A.	7.80
80-90	75.75	N.A.	1.90
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	4025.7	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	118.42
10-20	346.44
20-30	540.39
30-40	672.30
40-50	723.35
50-60	686.31
60-70	548.79
70-80	313.94
80-90	75.75
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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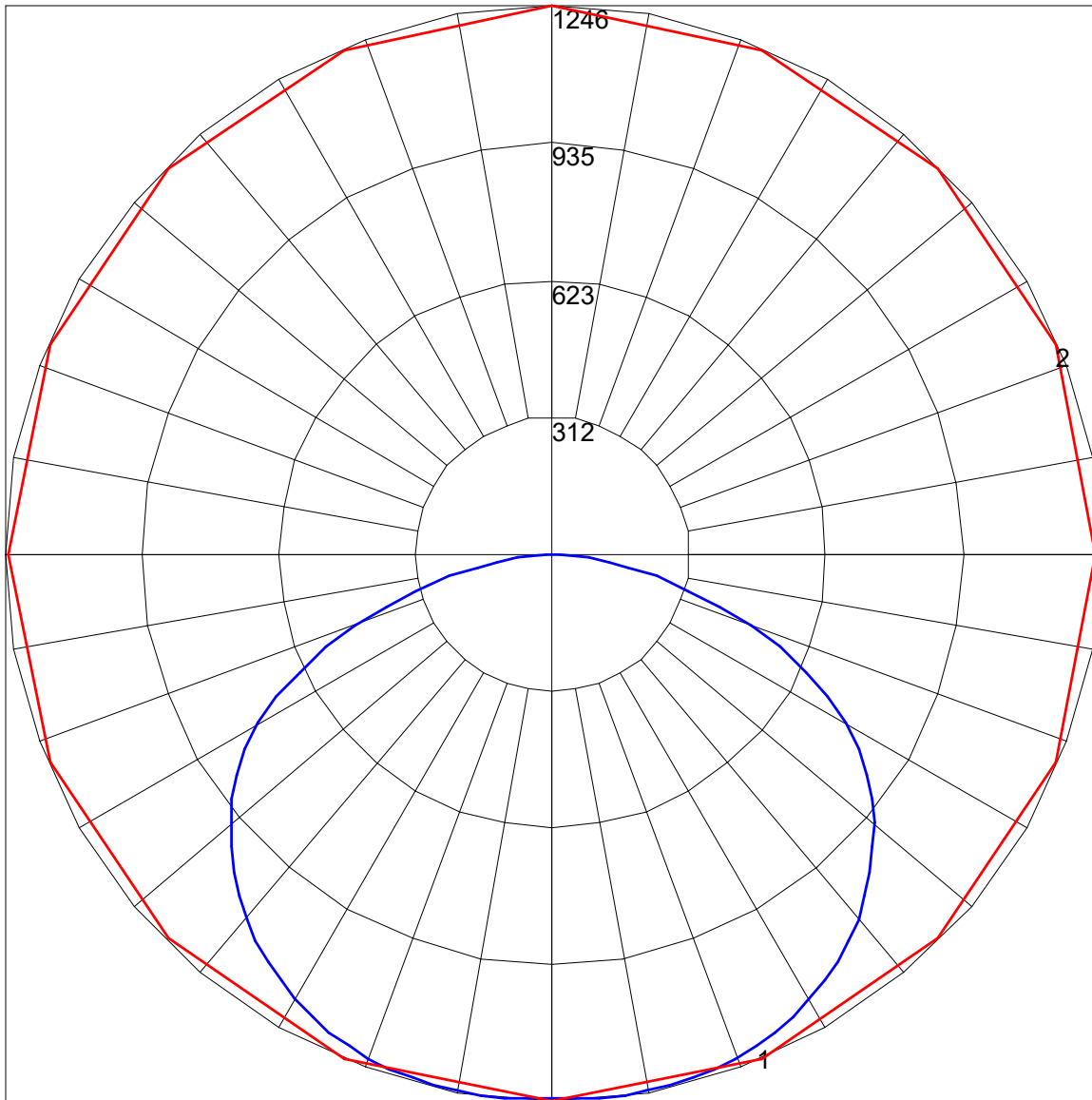
**COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD**

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	106	101	97	93	97	93	90	93	90	88	89	87	85	83
2	98	90	82	76	95	88	81	76	84	79	74	81	76	72	78	74	70	68
3	89	78	70	63	87	77	69	62	74	67	61	71	65	60	68	63	59	57
4	81	69	60	53	79	68	59	52	65	58	52	63	56	51	60	55	50	48
5	75	61	52	45	72	60	51	45	58	50	44	56	49	44	54	48	43	41
6	69	55	46	39	67	54	45	39	52	44	39	50	44	38	49	43	38	36
7	64	50	41	34	62	49	40	34	47	40	34	46	39	34	44	38	33	31
8	59	45	37	31	57	45	36	30	43	36	30	42	35	30	41	34	30	28
9	55	41	33	27	54	41	33	27	40	32	27	39	32	27	38	31	27	25
10	52	38	30	25	50	38	30	25	37	29	25	36	29	24	35	29	24	22



POLAR GRAPH



Maximum Candela = 1246 Located At Horizontal Angle = 90, Vertical Angle = 7.5  
# 1 - Vertical Plane Through Horizontal Angles (90 - 270) (Through Max. Cd.)  
# 2 - Horizontal Cone Through Vertical Angle (7.5) (Through Max. Cd.)