



## IES INDOOR REPORT

PHOTOMETRIC FILENAME : ASC24-LED-60L-DIM1-40.IES

### DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TEST] LED-11056

[TESTLAB] LSI INDUSTRIES, INC

[ISSUE DATE] 12/16/2019

[TEST DATE] 05/10/19

[MANUFAC] LSI INDUSTRIES, INC

[LUMCAT] ASC24-LED-60L-DIM1-40

[ABSOLUTE] NOTE: DATA SHOWN IS ABSOLUTE FOR THE SAMPLE PROVIDED.

[OTHER] TEST PROCEDURE: IESNA LM-79-08

[SEARCH\_SOURCETYPE] LED

[SEARCH\_APPLICATION] Indoor

### CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	6002
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	136
Total Luminaire Watts	44
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	2490	2637	2779
55	2419	2709	2941
65	2290	2793	2914
75	1989	2623	2462
85	1373	1743	1835

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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	1804	1804	1804	1804	1804
2.5	1809	1813	1808	1803	1804
5.0	1810	1814	1808	1804	1805
7.5	1806	1811	1806	1803	1805
10.0	1800	1805	1801	1799	1801
12.5	1790	1795	1794	1793	1797
15.0	1779	1783	1782	1784	1788
17.5	1758	1766	1769	1773	1778
20.0	1736	1744	1753	1758	1766
22.5	1711	1720	1732	1741	1749
25.0	1685	1692	1706	1721	1731
27.5	1648	1660	1679	1696	1708
30.0	1612	1624	1648	1670	1682
32.5	1570	1586	1612	1638	1653
35.0	1525	1542	1573	1604	1619
37.5	1475	1495	1532	1566	1584
40.0	1425	1444	1487	1526	1546
42.5	1369	1389	1437	1483	1505
45.0	1310	1332	1387	1437	1462
47.5	1241	1271	1333	1389	1415
50.0	1174	1206	1277	1338	1366
52.5	1105	1141	1218	1283	1314
55.0	1032	1071	1156	1225	1255
57.5	957	1001	1092	1162	1180
60.0	880	929	1024	1089	1102
62.5	802	854	955	1003	1013
65.0	720	776	878	914	916
67.5	635	699	796	816	812
70.0	548	624	704	713	703
72.5	465	546	606	603	589
75.0	383	469	505	484	474
77.5	303	389	398	368	351
80.0	226	304	288	258	250
82.5	154	212	182	185	191
85.0	89	117	113	122	119
87.5	35	41	38	27	25
90.0	0	0	0	0	0

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**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	676.41	N.A.	11.30
0-30	1463.61	N.A.	24.40
0-40	2448.17	N.A.	40.80
0-60	4542.56	N.A.	75.70
0-80	5873.48	N.A.	97.90
0-90	6001.81	N.A.	100.00
10-90	5829.43	N.A.	97.10
20-40	1771.76	N.A.	29.50
20-50	2840.46	N.A.	47.30
40-70	2929.12	N.A.	48.80
60-80	1330.92	N.A.	22.20
70-80	496.20	N.A.	8.30
80-90	128.33	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	6001.81	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	172.38
10-20	504.02
20-30	787.21
30-40	984.56
40-50	1068.7
50-60	1025.69
60-70	834.73
70-80	496.20
80-90	128.33
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

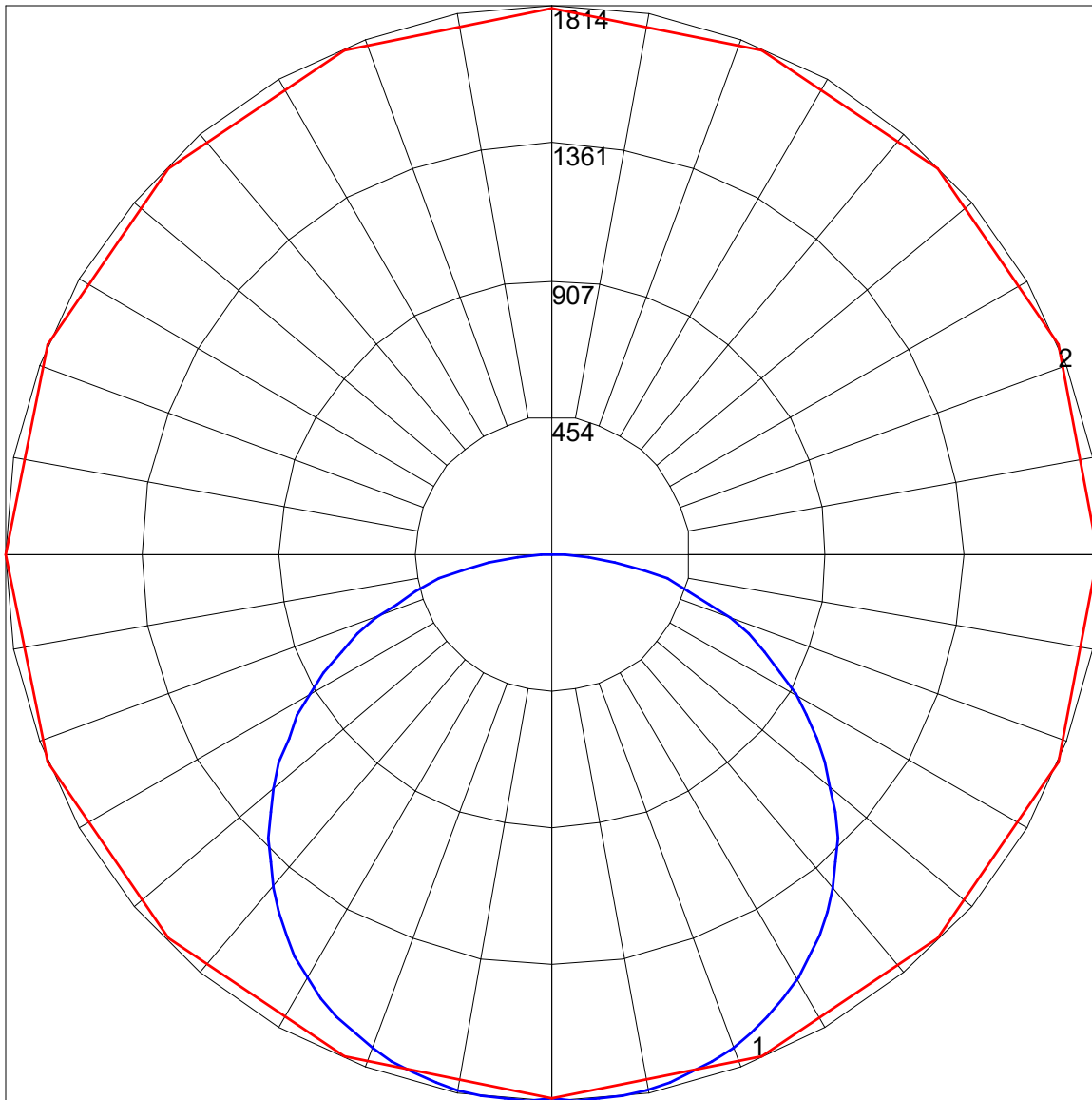
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**COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD**

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	94	105	101	97	93	96	93	90	93	90	87	89	87	85	82
2	98	89	82	76	95	87	81	75	84	78	73	80	76	71	77	73	70	68
3	89	78	69	62	86	76	68	62	73	66	61	70	64	59	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	57	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	41	35	30	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 = 1814 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.)