



IES INDOOR REPORT
PHOTOMETRIC FILENAME : S8-LED-80L-40.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST]LED-9765
[TESTLAB]LSI INDUSTRIES, INC
[ISSUE DATE]03/30/2018
[TEST DATE]02/23/18
[MANUFACTURER]LSI INDUSTRIES, INC
[LUMCAT]S8-LED-80L-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	8070
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	148
Total Luminaire Watts	54.7
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.38
Spacing Criterion (90-270)	1.36
Spacing Criterion (Diagonal)	1.48
Basic Luminous Shape	Rectangular
Luminous Length (0-180)	8.00 ft
Luminous Width (90-270)	0.25 ft
Luminous Height	0.00 ft

LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	14714	14471	14357
55	14615	14446	14240
65	14135	13741	13512
75	12361	12029	11883
85	8575	9377	9501

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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	2470	2470	2470	2470	2470
2.5	2487	2478	2470	2471	2478
5.0	2490	2479	2471	2473	2479
7.5	2490	2478	2469	2472	2477
10.0	2486	2473	2463	2466	2470
12.5	2479	2464	2453	2456	2459
15.0	2468	2450	2440	2442	2446
17.5	2452	2432	2423	2424	2429
20.0	2431	2410	2402	2402	2406
22.5	2404	2382	2375	2376	2381
25.0	2373	2351	2344	2344	2349
27.5	2339	2316	2308	2307	2309
30.0	2299	2274	2266	2263	2265
32.5	2255	2228	2219	2213	2217
35.0	2203	2177	2167	2158	2163
37.5	2147	2121	2110	2098	2100
40.0	2083	2058	2048	2032	2035
42.5	2012	1988	1977	1960	1965
45.0	1935	1913	1903	1884	1888
47.5	1848	1826	1823	1804	1806
50.0	1760	1740	1736	1717	1719
52.5	1660	1648	1641	1622	1625
55.0	1559	1551	1541	1522	1519
57.5	1455	1448	1435	1415	1413
60.0	1346	1340	1323	1302	1297
62.5	1230	1226	1203	1184	1180
65.0	1111	1105	1080	1065	1062
67.5	981	978	956	942	941
70.0	854	846	831	819	818
72.5	720	717	700	695	696
75.0	595	590	579	577	572
77.5	470	465	461	455	457
80.0	351	347	350	343	343
82.5	240	242	242	241	242
85.0	139	143	152	150	154
87.5	61	66	73	73	76
90.0	0	0	0	0	0

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	928.16	N.A.	11.50
0-30	2012.29	N.A.	24.90
0-40	3370.98	N.A.	41.80
0-60	6210.57	N.A.	77.00
0-80	7897.36	N.A.	97.90
0-90	8069.53	N.A.	100.00
10-90	7833.32	N.A.	97.10
20-40	2442.82	N.A.	30.30
20-50	3909.46	N.A.	48.40
40-70	3909.81	N.A.	48.50
60-80	1686.79	N.A.	20.90
70-80	616.56	N.A.	7.60
80-90	172.17	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	8069.53	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	236.21
10-20	691.95
20-30	1084.13
30-40	1358.69
40-50	1466.64
50-60	1372.95
60-70	1070.22
70-80	616.56
80-90	172.17
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

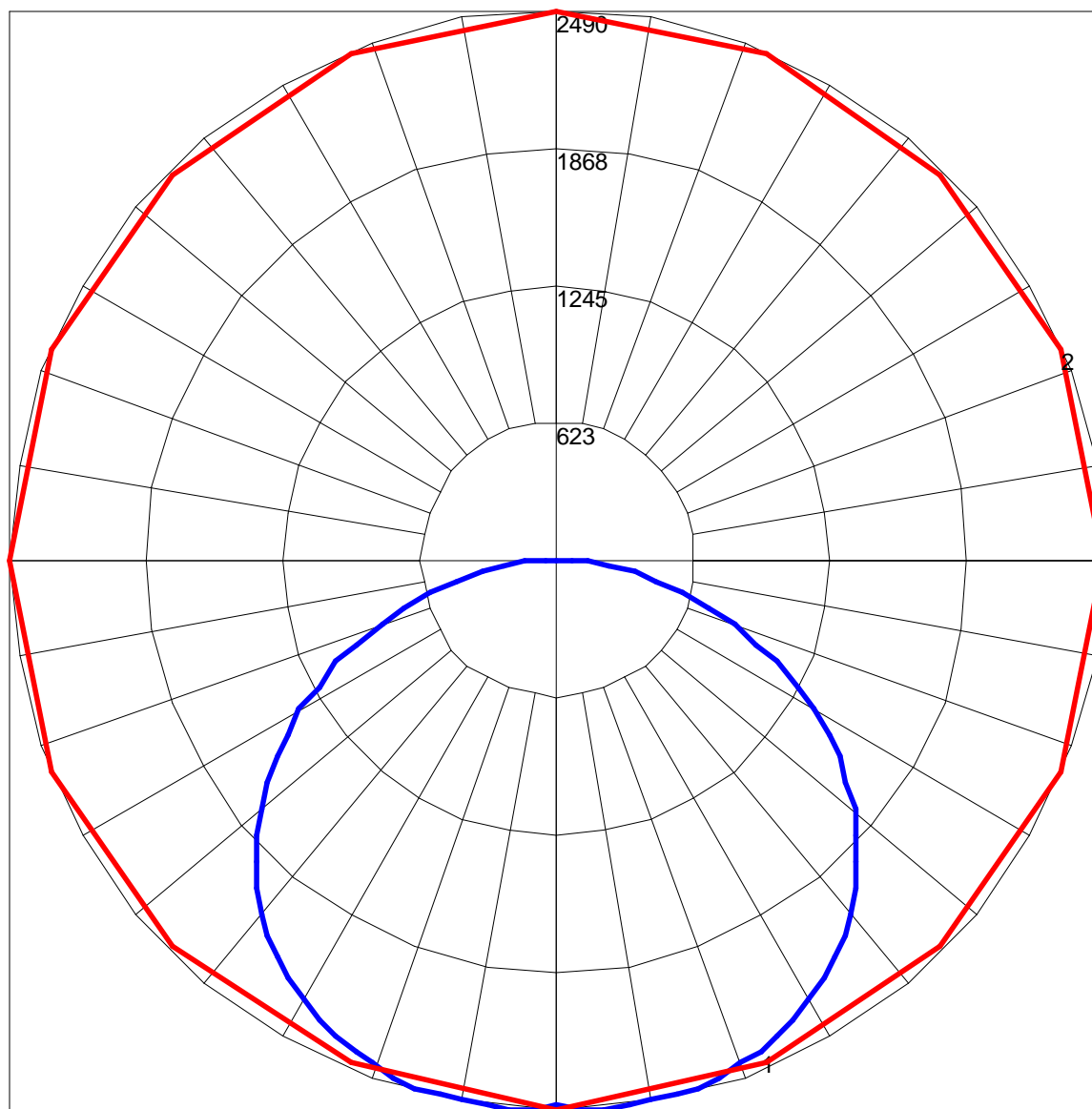
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	53	65	58	52	63	56	51	60	55	50	48
5	75	61	52	45	72	60	52	45	58	50	44	56	49	44	54	48	43	41
6	69	55	46	39	67	54	45	39	52	44	39	51	44	38	49	43	38	36
7	64	50	41	34	62	49	40	34	47	40	34	46	39	34	45	38	34	31
8	59	45	37	31	58	45	36	30	43	36	30	42	35	30	41	35	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	23

POLAR GRAPH



Maximum Candela = 2490 Located At Horizontal Angle = 0, Vertical Angle = 5
1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (5) (Through Max. Cd.)