



IES INDOOR REPORT
PHOTOMETRIC FILENAME : S8-LED-70L-30.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST]LED-9799
[TESTLAB]LSI INDUSTRIES, INC
[ISSUE DATE]03/30/2018
[TEST DATE]02/27/18
[MANUFACTURER]LSI INDUSTRIES, INC
[LUMCAT]S8-LED-70L-30
[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	6837
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	144
Total Luminaire Watts	47.4
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	12296	12281	12227
55	12309	12280	12037
65	11781	11641	11412
75	10471	10117	10034
85	7095	7773	8082

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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	2104	2104	2104	2104	2104
2.5	2108	2111	2104	2106	2112
5.0	2109	2112	2105	2108	2112
7.5	2107	2111	2103	2108	2110
10.0	2101	2106	2098	2102	2105
12.5	2093	2098	2089	2094	2097
15.0	2080	2085	2077	2081	2085
17.5	2065	2070	2062	2066	2069
20.0	2045	2052	2043	2046	2049
22.5	2023	2029	2021	2022	2024
25.0	1997	2002	1995	1995	1996
27.5	1967	1970	1964	1962	1965
30.0	1931	1935	1928	1925	1928
32.5	1892	1896	1886	1882	1885
35.0	1848	1852	1841	1835	1839
37.5	1796	1801	1793	1784	1788
40.0	1742	1745	1736	1728	1733
42.5	1684	1686	1678	1668	1673
45.0	1617	1621	1615	1601	1608
47.5	1547	1551	1546	1532	1537
50.0	1474	1477	1472	1455	1458
52.5	1395	1399	1394	1375	1371
55.0	1313	1316	1310	1287	1284
57.5	1225	1226	1218	1194	1191
60.0	1132	1134	1120	1099	1095
62.5	1031	1033	1018	1000	998
65.0	926	933	915	898	897
67.5	823	827	807	795	796
70.0	717	721	701	692	694
72.5	610	612	594	586	582
75.0	504	502	487	481	483
77.5	399	391	388	384	385
80.0	294	289	292	292	292
82.5	196	197	203	204	207
85.0	115	119	126	124	131
87.5	47	55	61	60	65
90.0	0	0	0	0	0

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	789.64	N.A.	11.60
0-30	1710.85	N.A.	25.00
0-40	2863.84	N.A.	41.90
0-60	5268.84	N.A.	77.10
0-80	6692.97	N.A.	97.90
0-90	6836.64	N.A.	100.00
10-90	6635.55	N.A.	97.10
20-40	2074.2	N.A.	30.30
20-50	3317.21	N.A.	48.50
40-70	3308.44	N.A.	48.40
60-80	1424.13	N.A.	20.80
70-80	520.69	N.A.	7.60
80-90	143.67	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	6836.64	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	201.09
10-20	588.55
20-30	921.21
30-40	1152.99
40-50	1243.01
50-60	1162.00
60-70	903.44
70-80	520.69
80-90	143.67
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

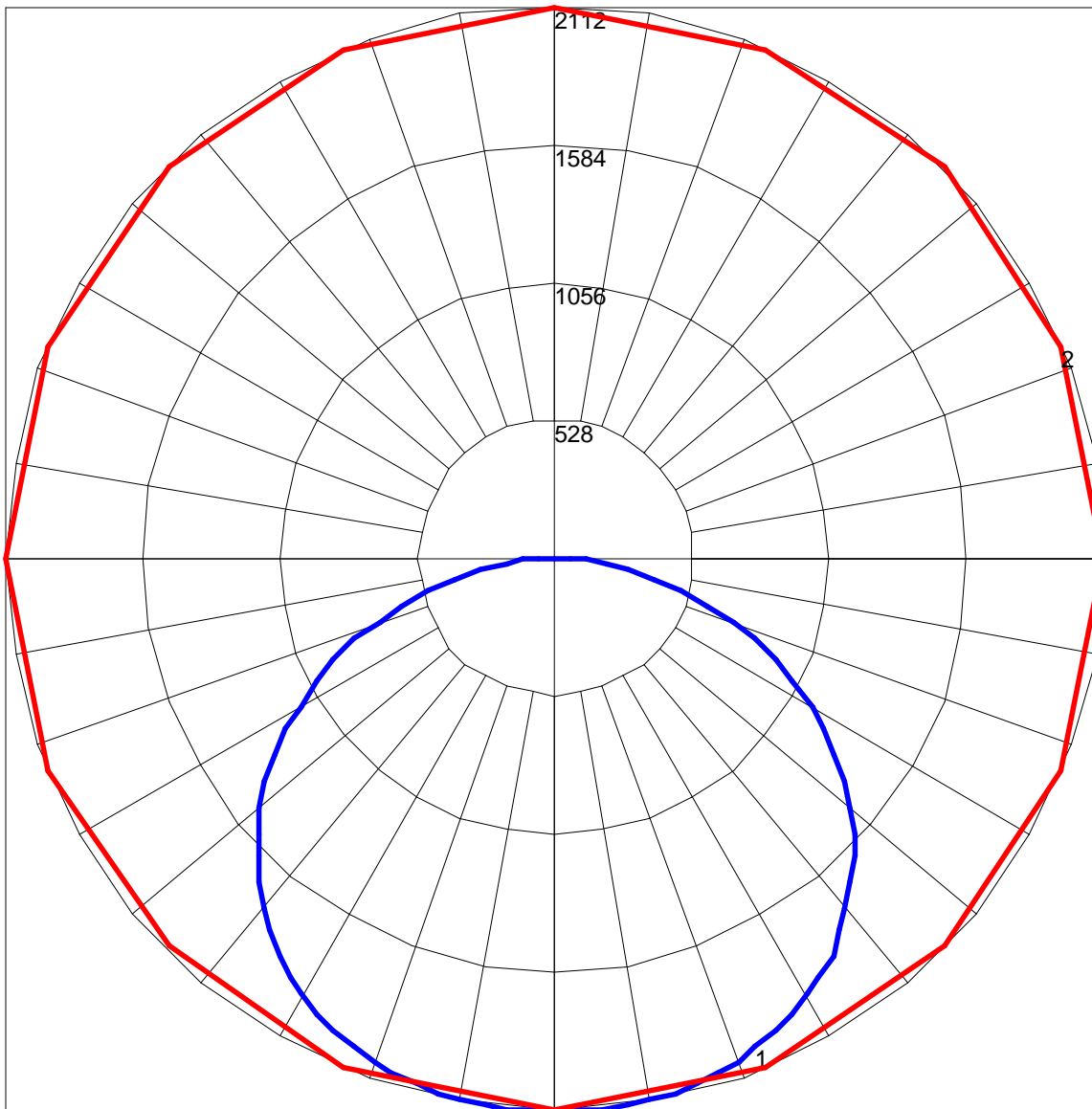
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	77	95	88	81	76	84	79	74	81	76	72	78	74	71	68
3	89	78	70	63	87	77	69	63	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	61	55	50	48
5	75	61	52	45	72	60	52	45	58	50	45	56	49	44	54	48	44	41
6	69	55	46	39	67	54	45	39	52	45	39	51	44	38	49	43	38	36
7	64	50	41	35	62	49	40	34	47	40	34	46	39	34	45	38	34	32
8	59	45	37	31	58	45	36	31	43	36	30	42	35	30	41	35	30	28
9	55	42	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	30	25	36	29	24	35	29	24	23

POLAR GRAPH



Maximum Candela = 2112 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.)