



IES INDOOR REPORT
PHOTOMETRIC FILENAME : S8-LED-160L-30.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST]LED-9762_scaled
[TESTLAB]LSI INDUSTRIES, INC
[ISSUE DATE]6/12/2018
[TEST DATE]02/23/18
[MANUFACTURER]LSI INDUSTRIES, INC
[LUMCAT]S8-LED-160L-30
[ABSOLUTE]NOTE: DATA SHOWN IS ABSOLUTE FOR THE SAMPLE PROVIDED.
[OTHER]TEST PROCEDURE: IESNA LM-79-08
[OTHER]SCALED FROM ORIGINAL TEST DATA
[SEARCH_SOURCETYPE] LED
[SEARCH_APPLICATION] Indoor

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	15522
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	141
Total Luminaire Watts	110.1
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	28200	27866	27632
55	28188	27796	27466
65	26978	26446	26083
75	23762	23123	22848
85	16556	18048	17777

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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	4766.598	4766.598	4766.598	4766.598	4766.598
2.5	4823.789	4777.596	4757.800	4759.999	4777.596
5.0	4828.188	4779.796	4762.199	4766.598	4781.996
7.5	4821.589	4775.397	4755.600	4764.399	4777.596
10.0	4810.591	4764.399	4744.602	4753.400	4764.399
12.5	4792.994	4744.602	4724.805	4733.604	4744.602
15.0	4766.598	4720.406	4700.609	4705.009	4716.007
17.5	4727.005	4687.412	4667.615	4669.815	4678.613
20.0	4680.813	4643.419	4625.822	4625.822	4634.620
22.5	4625.822	4590.628	4575.230	4573.031	4581.829
25.0	4562.033	4531.238	4515.840	4511.441	4520.240
27.5	4493.844	4458.650	4449.852	4438.853	4445.452
30.0	4408.059	4377.264	4368.465	4357.467	4361.866
32.5	4320.073	4289.279	4276.081	4260.683	4267.282
35.0	4218.890	4188.096	4174.898	4155.101	4168.299
37.5	4104.510	4078.114	4062.717	4042.920	4053.918
40.0	3981.330	3957.134	3941.737	3919.741	3921.940
42.5	3849.353	3825.157	3809.759	3778.964	3787.763
45.0	3708.576	3675.582	3664.584	3627.190	3633.789
47.5	3552.402	3521.608	3508.410	3464.417	3477.615
50.0	3385.231	3356.635	3336.839	3297.245	3308.244
52.5	3204.861	3174.066	3160.868	3116.876	3125.674
55.0	3006.894	2973.900	2965.101	2925.508	2929.907
57.5	2791.330	2775.933	2756.136	2725.342	2729.741
60.0	2575.767	2566.968	2533.974	2505.379	2511.977
62.5	2353.604	2347.005	2309.612	2283.216	2276.617
65.0	2120.443	2120.443	2078.650	2043.456	2050.055
67.5	1882.883	1882.883	1841.090	1808.096	1801.497
70.0	1640.924	1640.924	1592.532	1563.937	1563.937
72.5	1387.967	1387.967	1350.573	1332.976	1330.776
75.0	1143.808	1130.610	1113.013	1104.214	1099.815
77.5	895.249	884.251	875.453	875.453	879.852
80.0	666.488	659.889	662.089	666.488	657.689
82.5	453.124	455.323	466.322	464.122	466.322
85.0	268.355	279.353	292.551	283.752	288.152
87.5	120.980	131.978	142.976	136.377	140.776
90.0	0.000	0.000	0.000	0.000	0.000

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	1789.03	N.A.	11.50
0-30	3876.44	N.A.	25.00
0-40	6490.92	N.A.	41.80
0-60	11953.32	N.A.	77.00
0-80	15192.14	N.A.	97.90
0-90	15521.79	N.A.	100.00
10-90	15066.25	N.A.	97.10
20-40	4701.88	N.A.	30.30
20-50	7523.83	N.A.	48.50
40-70	7518.14	N.A.	48.40
60-80	3238.83	N.A.	20.90
70-80	1183.09	N.A.	7.60
80-90	329.65	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	15521.79	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	455.54
10-20	1333.49
20-30	2087.4
30-40	2614.48
40-50	2821.95
50-60	2640.45
60-70	2055.74
70-80	1183.09
80-90	329.65
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

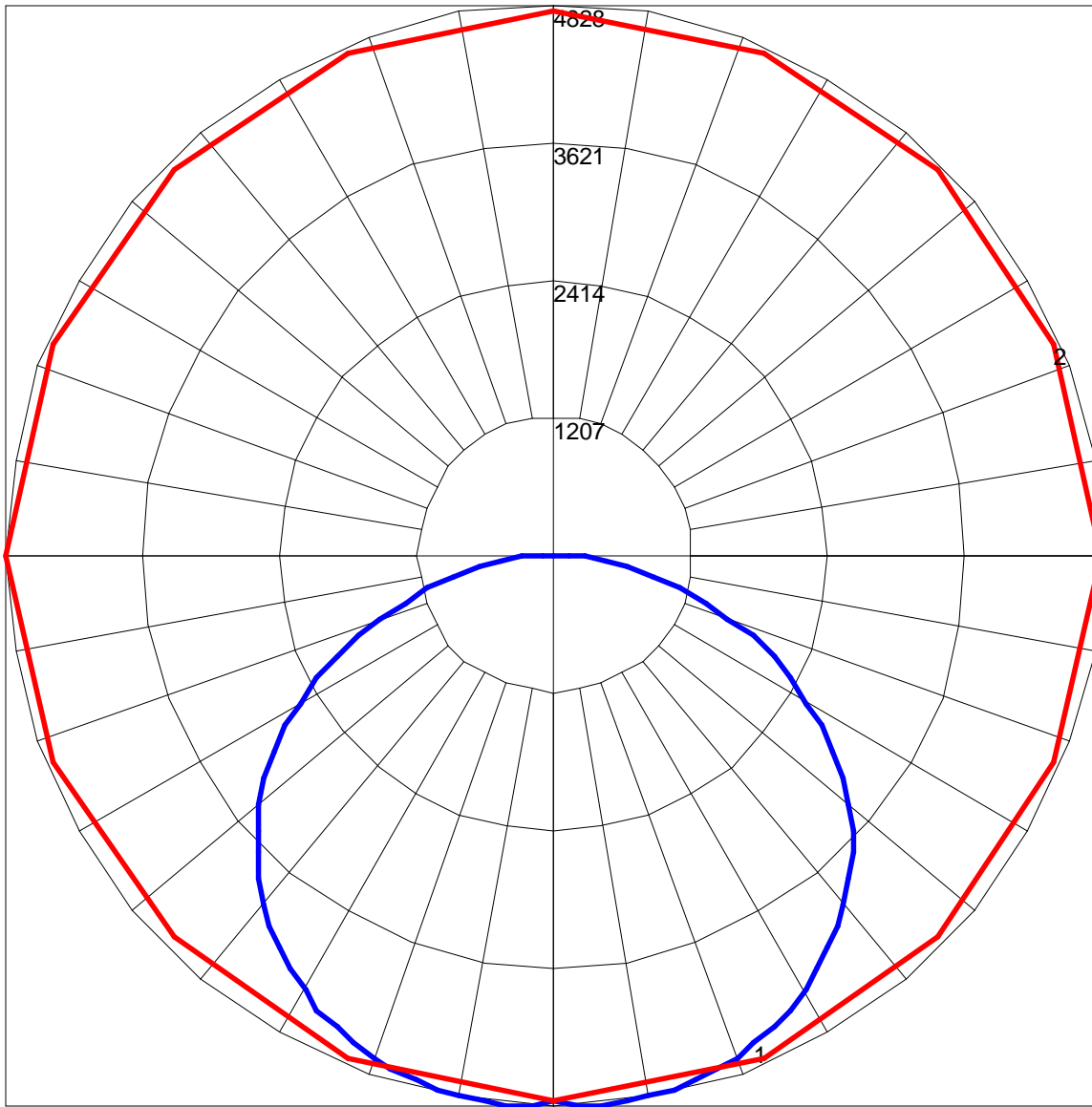
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	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	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	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	30	25	36	29	24	35	29	24	23

POLAR GRAPH



Maximum Candela = 4828.188 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.)