



IES INDOOR REPORT
PHOTOMETRIC FILENAME : S2-LED-30L-40.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST]LED-9732
[TESTLAB]LSI INDUSTRIES, INC
[ISSUE DATE]03/30/2018
[TEST DATE]02/16/18
[MANUFACTURER]LSI INDUSTRIES, INC
[LUMCAT]S2-LED-30L-40
[LAMP CAT]60 NICHIA NF2L757GR-V1
[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	3050
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	139
Total Luminaire Watts	22
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.42
Spacing Criterion (90-270)	1.34
Spacing Criterion (Diagonal)	1.48
Basic Luminous Shape	Rectangular
Luminous Length (0-180)	2.00 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	22630	21778	21261
55	22686	21749	21186
65	22087	20611	20102
75	19944	18033	17949
85	14806	14560	14066

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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	930	930	930	930	930
2.5	957	942	931	916	910
5.0	958	943	932	917	910
7.5	957	942	931	917	909
10.0	955	941	930	915	907
12.5	952	937	925	912	904
15.0	948	933	921	907	899
17.5	941	926	915	901	893
20.0	934	920	907	892	885
22.5	926	911	897	884	876
25.0	915	900	887	873	865
27.5	902	887	874	860	852
30.0	886	870	858	845	837
32.5	868	852	840	827	819
35.0	846	830	818	807	800
37.5	823	808	796	784	778
40.0	799	782	770	760	755
42.5	773	756	744	734	729
45.0	744	727	716	706	699
47.5	714	697	686	675	670
50.0	681	665	653	642	638
52.5	644	629	618	607	603
55.0	605	592	580	569	565
57.5	566	550	538	528	525
60.0	521	509	496	485	482
62.5	478	466	450	441	439
65.0	434	422	405	397	395
67.5	387	375	358	352	349
70.0	340	327	312	305	305
72.5	291	277	263	260	261
75.0	240	227	217	216	216
77.5	192	176	173	173	173
80.0	143	132	132	131	131
82.5	99	93	94	92	91
85.0	60	58	59	56	57
87.5	27	28	29	28	28
90.0	0	0	0	0	0

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	349.27	N.A.	11.50
0-30	758.62	N.A.	24.90
0-40	1271.53	N.A.	41.70
0-60	2343.45	N.A.	76.80
0-80	2982.97	N.A.	97.80
0-90	3049.9	N.A.	100.00
10-90	2961.07	N.A.	97.10
20-40	922.26	N.A.	30.20
20-50	1475.71	N.A.	48.40
40-70	1476.26	N.A.	48.40
60-80	639.52	N.A.	21.00
70-80	235.18	N.A.	7.70
80-90	66.93	N.A.	2.20
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	3049.9	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	88.83
10-20	260.44
20-30	409.35
30-40	512.92
40-50	553.44
50-60	518.47
60-70	404.34
70-80	235.18
80-90	66.93
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

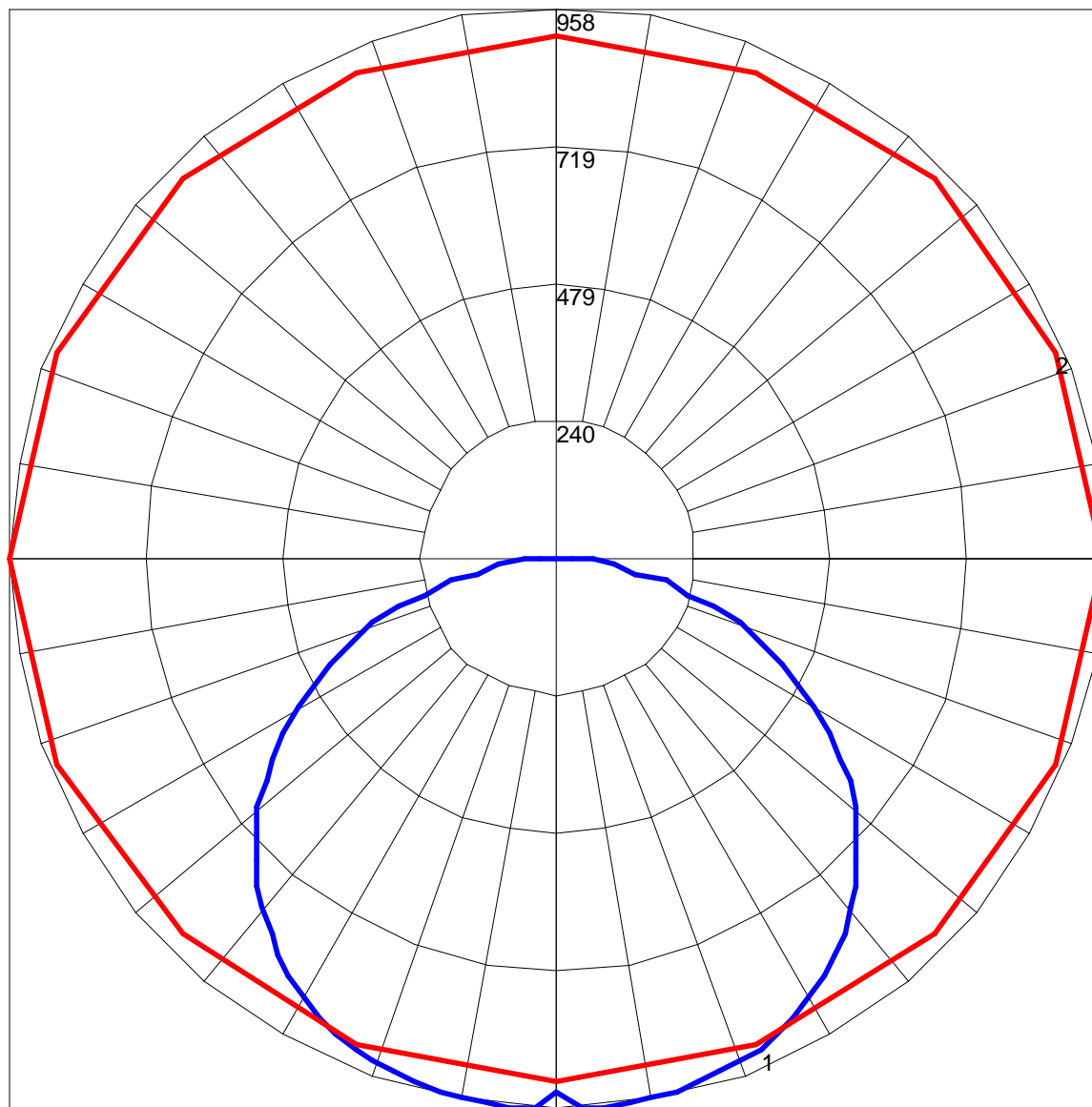
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	87	89	87	85	83
2	98	89	82	76	95	88	81	75	84	78	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 = 958 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.)