



IES INDOOR REPORT

PHOTOMETRIC FILENAME : ASC22-LED-30L-DIM5-50.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST]LED-11081
[TESTLAB]LSI INDUSTRIES, INC
[ISSUE DATE]07/26/19
[TEST DATE]05/20/19
[MANUFACTURER]LSI INDUSTRIES, INC
[LUMCAT]ASC22-LED-30L-DIM5-50
[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	3041
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	136
Total Luminaire Watts	22.4
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.30
Spacing Criterion (90-270)	1.42
Spacing Criterion (Diagonal)	1.48
Basic Luminous Shape	Rectangular
Luminous Length (0-180)	2.00 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	2441	2688	2943
55	2334	2714	3112
65	2169	2755	3066
75	1839	2472	2545
85	1203	1450	1974

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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	934	934	934	934	934
2.5	932	934	937	939	939
5.0	932	934	937	939	940
7.5	935	934	936	939	940
10.0	928	933	938	938	939
12.5	921	923	934	935	937
15.0	913	916	925	932	934
17.5	906	907	917	930	930
20.0	891	900	908	926	924
22.5	876	883	897	914	917
25.0	859	868	887	902	908
27.5	839	850	870	889	898
30.0	817	829	853	876	886
32.5	793	805	834	860	872
35.0	767	781	813	843	855
37.5	739	754	789	824	838
40.0	708	725	763	802	818
42.5	676	694	735	780	797
45.0	642	661	707	755	774
47.5	606	628	677	730	750
50.0	571	593	646	702	724
52.5	535	558	613	672	696
55.0	498	522	579	640	664
57.5	459	486	545	605	625
60.0	421	449	509	566	583
62.5	381	410	473	520	535
65.0	341	371	433	470	482
67.5	296	331	390	416	425
70.0	257	292	341	360	366
72.5	216	253	290	299	305
75.0	177	214	238	238	245
77.5	139	174	183	180	180
80.0	103	132	130	123	128
82.5	70	87	80	89	99
85.0	39	44	47	58	64
87.5	14	14	16	11	10
90.0	0	0	0	0	0

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	350.89	N.A.	11.50
0-30	759.00	N.A.	25.00
0-40	1267.00	N.A.	41.70
0-60	2331.57	N.A.	76.70
0-80	2984.08	N.A.	98.10
0-90	3041.47	N.A.	100.00
10-90	2952.1	N.A.	97.10
20-40	916.11	N.A.	30.10
20-50	1462.33	N.A.	48.10
40-70	1479.66	N.A.	48.60
60-80	652.51	N.A.	21.50
70-80	237.42	N.A.	7.80
80-90	57.39	N.A.	1.90
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	3041.47	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	89.37
10-20	261.52
20-30	408.11
30-40	508.00
40-50	546.22
50-60	518.35
60-70	415.09
70-80	237.42
80-90	57.39
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

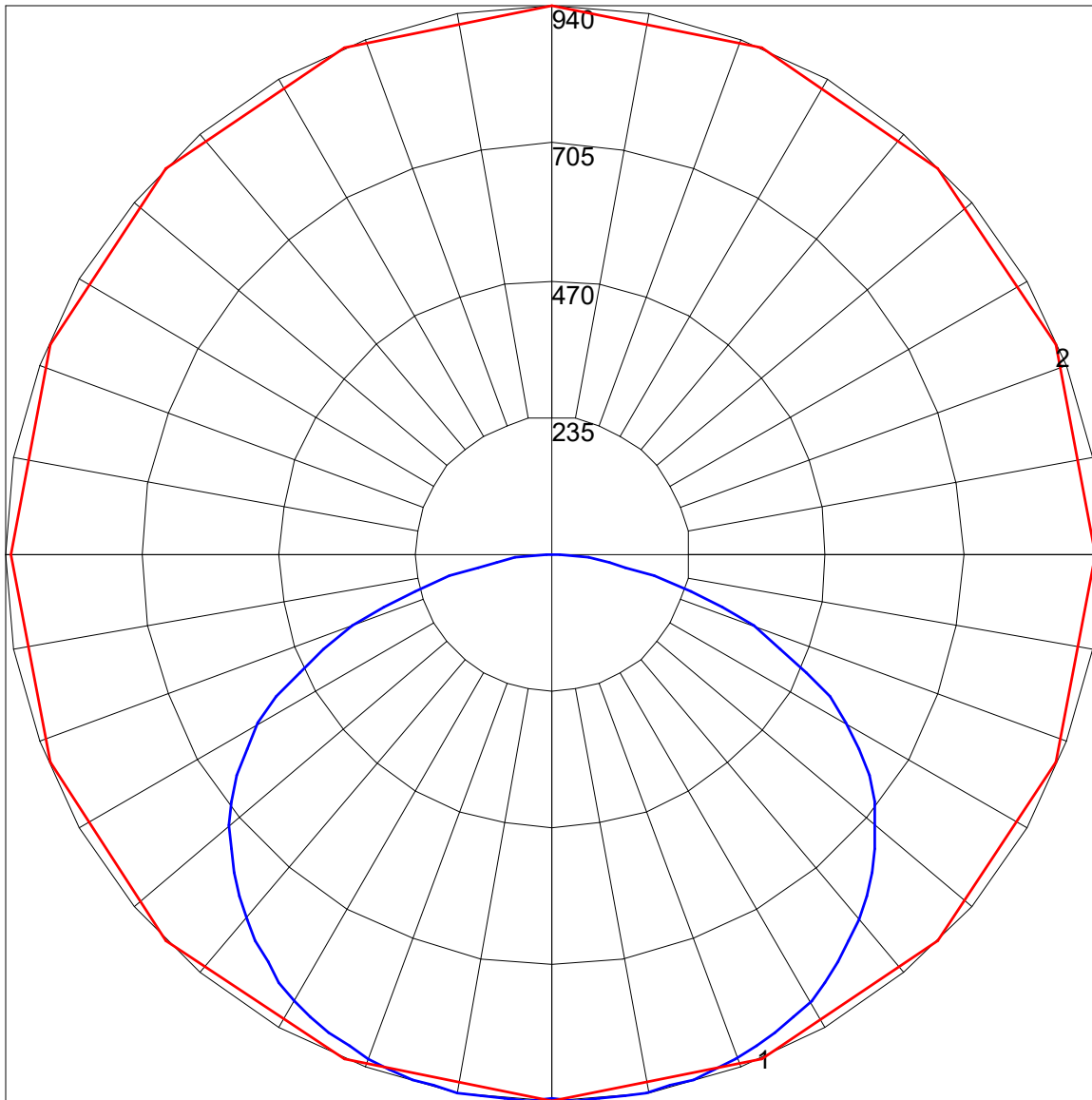
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	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 = 940 Located At Horizontal Angle = 90, Vertical Angle = 5
1 - Vertical Plane Through Horizontal Angles (90 - 270) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (5) (Through Max. Cd.)