



IES INDOOR REPORT

PHOTOMETRIC FILENAME : LPEC22-LED-20L-30.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST]LED-8833_Scaled
[TESTLAB]LSI INDUSTRIES, INC
[ISSUE DATE]08/18/17
[TEST DATE]04/26/17
[MANUFACTURER]LSI INDUSTRIES, INC
[LUMEN CATEGORY]LPEC22-LED-20L-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 SOURCE TYPE] LED
[SEARCH APPLICATION] Indoor

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	1964
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	116
Total Luminaire Watts	16.9
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.28
Spacing Criterion (90-270)	1.46
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	1382	1662	1917
55	1268	1699	2108
65	1147	1727	2356
75	977	1823	2840
85	748	1974	3259

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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	572.915	572.915	572.915	572.915	572.915
2.5	583.579	579.701	572.915	568.068	565.160
5.0	583.579	578.732	573.885	568.068	565.160
7.5	580.671	576.793	571.946	569.038	566.130
10.0	576.793	573.885	570.977	569.038	568.068
12.5	570.977	569.038	568.068	567.099	568.068
15.0	565.160	565.160	566.130	568.068	567.099
17.5	556.436	557.405	561.283	565.160	566.130
20.0	546.742	549.650	556.436	564.191	566.130
22.5	535.109	538.986	549.650	560.313	563.221
25.0	522.507	527.354	541.895	556.436	561.283
27.5	506.996	514.751	534.139	552.558	558.374
30.0	489.547	499.241	522.507	545.772	553.527
32.5	471.128	482.761	511.843	538.017	548.680
35.0	452.710	466.281	499.241	531.231	541.895
37.5	431.383	446.893	484.700	520.568	534.139
40.0	409.087	427.505	470.159	509.904	524.445
42.5	386.791	407.148	454.649	498.272	513.782
45.0	363.525	385.821	437.199	484.700	504.088
47.5	342.198	363.525	419.750	472.098	492.455
50.0	318.933	341.229	400.362	457.557	478.884
52.5	294.698	318.933	381.944	443.016	463.373
55.0	270.463	296.636	362.556	425.567	449.802
57.5	248.166	273.371	340.259	407.148	433.322
60.0	223.931	249.136	318.933	386.791	412.964
62.5	202.605	226.840	296.636	368.372	393.576
65.0	180.308	202.605	271.432	345.106	370.311
67.5	158.012	179.339	249.136	321.841	349.953
70.0	135.716	156.073	223.931	298.575	325.718
72.5	115.359	133.777	199.696	274.340	302.453
75.0	94.032	112.450	175.461	247.197	273.371
77.5	74.644	91.124	149.288	216.176	243.319
80.0	57.195	71.736	123.114	184.186	206.482
82.5	40.715	51.378	94.032	143.471	161.890
85.0	24.235	32.960	63.980	95.971	105.665
87.5	10.663	13.572	29.082	40.715	41.684
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	214.65	N.A.	10.90
0-30	464.66	N.A.	23.70
0-40	776.26	N.A.	39.50
0-60	1435.02	N.A.	73.10
0-80	1894.96	N.A.	96.50
0-90	1963.87	N.A.	100.00
10-90	1909.18	N.A.	97.20
20-40	561.61	N.A.	28.60
20-50	897.80	N.A.	45.70
40-70	929.91	N.A.	47.40
60-80	459.94	N.A.	23.40
70-80	188.79	N.A.	9.60
80-90	68.91	N.A.	3.50
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	1963.87	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	54.69
10-20	159.96
20-30	250.01
30-40	311.60
40-50	336.19
50-60	322.57
60-70	271.15
70-80	188.79
80-90	68.91
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

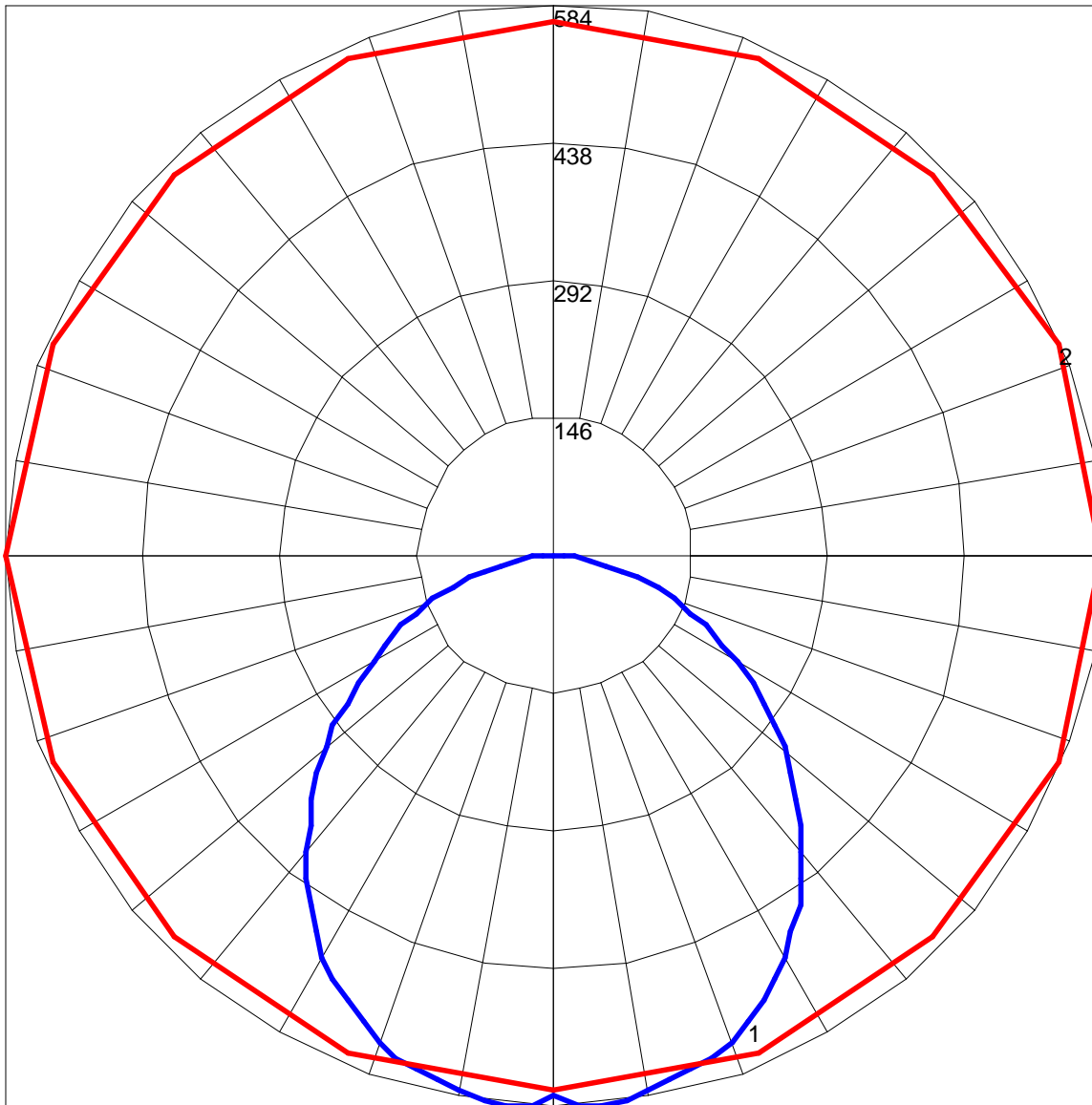
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	107	102	97	93	105	100	95	91	95	92	88	91	88	86	88	85	83	81
2	97	88	80	74	94	86	79	73	82	76	71	79	74	70	76	72	68	66
3	88	76	68	61	85	75	67	60	72	65	59	69	63	58	66	61	57	55
4	80	67	58	51	78	66	57	50	63	56	50	61	54	49	59	53	48	46
5	73	60	50	43	71	59	50	43	56	49	42	54	47	42	52	46	42	39
6	68	54	44	37	66	53	44	37	51	43	37	49	42	37	47	41	36	34
7	63	48	39	33	61	48	39	33	46	38	32	45	37	32	43	37	32	30
8	58	44	35	29	57	43	35	29	42	34	29	41	34	29	40	33	28	26
9	54	40	32	26	53	40	32	26	39	31	26	37	31	26	36	30	26	24
10	51	37	29	24	49	37	29	24	36	28	23	35	28	23	34	28	23	21

POLAR GRAPH



Maximum Candela = 583.579 Located At Horizontal Angle = 0, Vertical Angle = 2.5
1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (2.5) (Through Max. Cd.)