



IES INDOOR REPORT
PHOTOMETRIC FILENAME : LPASC22-LED-32L-35.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST]LED-8808_scaled
[TESTLAB]LSI INDUSTRIES, INC
[ISSUE DATE]07/17/17
[TEST DATE]04/21/17
[MANUFACTURER]LSI INDUSTRIES, INC
[LUMEN CATEGORY]LPASC22-LED-32L-35
[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	3295
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	117
Total Luminaire Watts	28.2
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.26
Spacing Criterion (90-270)	1.44
Spacing Criterion (Diagonal)	1.46
Basic Luminous Shape	Rectangular
Luminous Length (0-180)	1.98 ft
Luminous Width (90-270)	1.98 ft
Luminous Height	0.00 ft

LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	2337	2777	3205
55	2172	2813	3484
65	2016	2968	3920
75	1838	3393	5097
85	1489	3871	4566

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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	968.945	968.945	968.945	968.945	968.945
2.5	991.002	983.125	970.520	957.916	953.190
5.0	989.427	981.549	970.520	959.492	954.765
7.5	986.276	978.398	968.945	961.067	956.341
10.0	978.398	973.671	967.369	961.067	959.492
12.5	968.945	964.218	962.643	961.067	959.492
15.0	954.765	953.190	956.341	959.492	961.067
17.5	939.010	939.010	948.463	956.341	961.067
20.0	920.104	923.255	939.010	953.190	957.916
22.5	896.471	904.349	926.406	946.888	953.190
25.0	872.838	883.867	912.226	939.010	948.463
27.5	846.054	858.658	894.895	927.981	940.585
30.0	814.544	831.875	875.989	916.953	931.132
32.5	781.458	803.515	853.932	899.622	918.528
35.0	746.796	772.005	827.148	882.291	904.349
37.5	712.135	740.494	801.940	863.385	887.018
40.0	674.323	705.833	773.580	841.328	868.112
42.5	638.086	672.747	745.221	819.270	847.630
45.0	601.849	638.086	715.286	795.638	825.573
47.5	564.036	601.849	683.776	768.854	803.515
50.0	526.224	565.612	652.265	743.645	779.882
52.5	488.411	527.799	620.755	716.862	754.674
55.0	453.750	491.562	587.669	690.078	727.890
57.5	414.362	455.325	554.583	660.143	699.531
60.0	379.700	420.664	521.497	628.632	671.172
62.5	343.463	384.427	488.411	597.122	638.086
65.0	310.377	349.765	456.901	562.461	603.424
67.5	275.716	316.680	422.239	529.375	571.914
70.0	241.055	282.018	387.578	496.289	548.281
72.5	206.393	247.357	352.916	467.929	526.224
75.0	173.307	214.271	319.831	430.117	480.534
77.5	138.646	182.760	288.320	393.880	442.721
80.0	107.135	149.674	248.932	326.133	340.312
82.5	77.200	116.588	193.789	231.601	241.055
85.0	47.266	77.200	122.891	138.646	144.948
87.5	22.057	31.510	53.568	69.323	80.352
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	362.96	N.A.	11.00
0-30	782.99	N.A.	23.80
0-40	1300.58	N.A.	39.50
0-60	2380.39	N.A.	72.20
0-80	3171.88	N.A.	96.30
0-90	3295.39	N.A.	100.00
10-90	3202.81	N.A.	97.20
20-40	937.61	N.A.	28.50
20-50	1489.8	N.A.	45.20
40-70	1532.3	N.A.	46.50
60-80	791.49	N.A.	24.00
70-80	339.01	N.A.	10.30
80-90	123.50	N.A.	3.70
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	3295.39	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	92.57
10-20	270.39
20-30	420.03
30-40	517.59
40-50	552.19
50-60	527.62
60-70	452.49
70-80	339.01
80-90	123.50
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

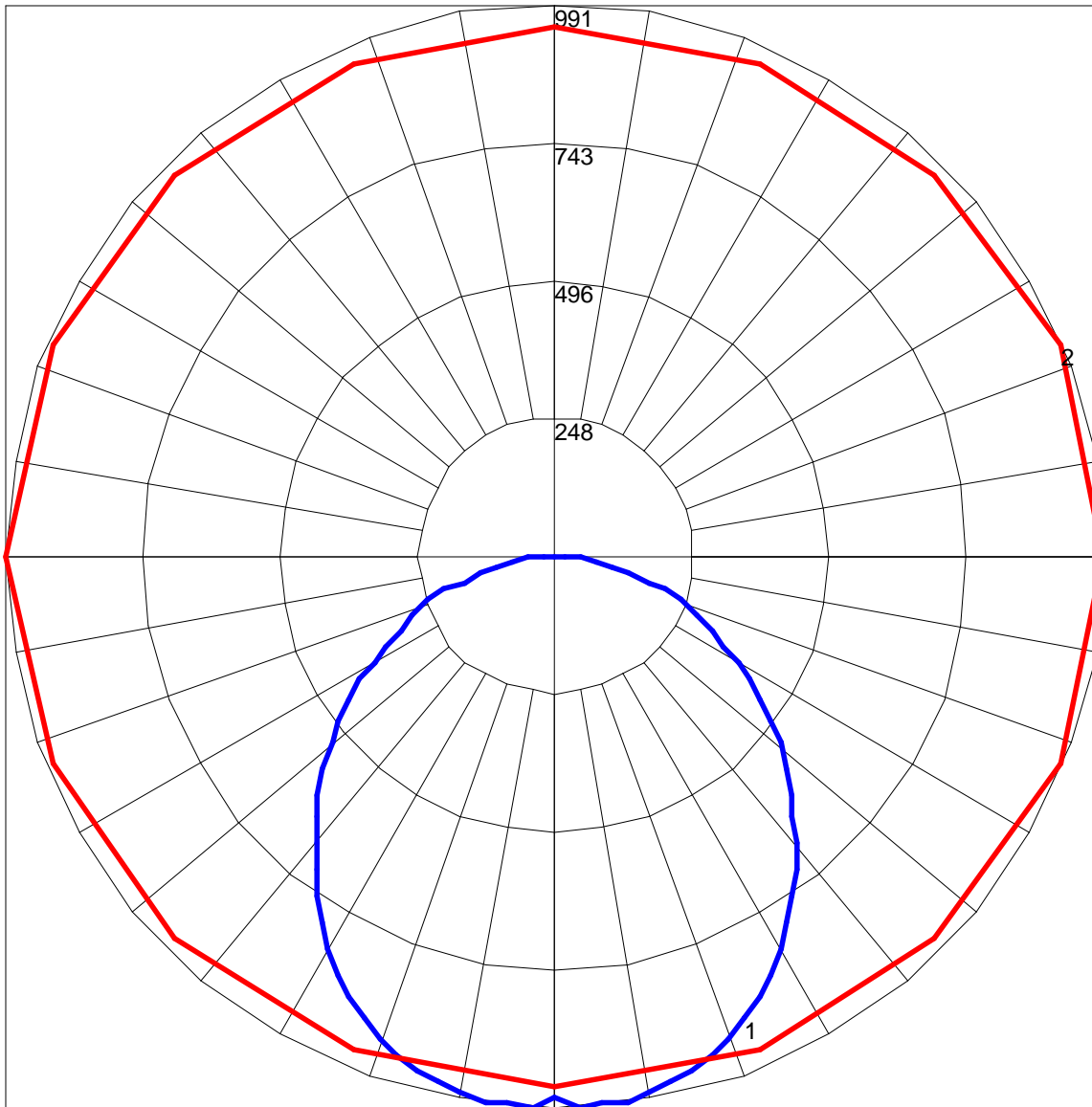
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	104	99	95	91	95	91	88	91	88	85	87	85	83	81
2	97	88	80	74	94	86	79	73	82	76	71	79	74	69	75	71	68	65
3	88	76	67	60	85	74	66	60	71	64	59	69	63	57	66	61	56	54
4	80	67	58	50	77	66	57	50	63	55	49	61	54	49	58	53	48	46
5	73	60	50	43	71	58	49	43	56	48	42	54	47	42	52	46	41	39
6	67	53	44	37	65	52	44	37	51	43	37	49	42	36	47	41	36	34
7	62	48	39	33	61	47	39	33	46	38	32	44	37	32	43	37	32	30
8	58	44	35	29	56	43	35	29	42	34	29	41	34	29	39	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	23	36	28	23	35	28	23	34	28	23	21

POLAR GRAPH



Maximum Candela = 991.002 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.)