



IES INDOOR REPORT
PHOTOMETRIC FILENAME : LDI-4-LED-2080-PL-SS-35.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST]
[TESTLAB]Dekko
[ISSUE DATE]06-19-2017
[TEST DATE]3/8/17
[MANUFACTURER]LSI INDUSTRIES, INC
[LUMCAT] LDI-4-LED-2080-PL-SS-35
[ABSOLUTE]NOTE: DATA SHOWN IS ABSOLUTE FOR THE SAMPLE PROVIDED.
[OTHER]TEST PROCEDURE: IESNA LM-79-08
[SEARCH_SOURCETYPE] LED
[SEARCH_APPLICATION] Outdoor

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	2392
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	62
Total Luminaire Watts	38.4
Ballast Factor	1.00
CIE Type	Semi-Direct
Spacing Criterion (0-180)	1.26
Spacing Criterion (90-270)	1.30
Spacing Criterion (Diagonal)	1.34
Basic Luminous Shape	Rectangular
Luminous Length (0-180)	4.00 ft
Luminous Width (90-270)	0.75 ft
Luminous Height	0.00 ft

LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	2112	2132	2456
55	1701	1945	2409
65	535	1482	2701
75	188	354	1636
85	164	263	394

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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	676.704	676.704	676.704	676.704	676.704
2.5	692.664	682.290	676.704	671.916	667.926
5.0	692.664	681.492	675.906	670.320	666.330
7.5	689.472	679.098	671.916	664.734	659.946
10.0	683.088	673.512	663.936	657.552	652.764
12.5	675.108	664.734	654.360	649.572	645.582
15.0	664.734	652.764	643.986	640.794	638.400
17.5	652.764	638.400	632.016	632.814	632.016
20.0	639.198	624.036	618.450	623.238	624.036
22.5	624.834	608.874	603.288	612.864	616.056
25.0	608.076	592.116	588.924	601.692	606.480
27.5	590.520	573.762	572.964	588.126	596.106
30.0	570.570	554.610	555.408	573.762	584.934
32.5	549.024	533.064	536.256	557.802	571.368
35.0	525.882	509.922	515.508	540.246	557.004
37.5	501.942	485.982	493.164	521.094	541.044
40.0	474.012	459.648	470.022	500.346	523.488
42.5	446.082	430.920	446.082	478.800	504.336
45.0	416.556	402.192	420.546	455.658	484.386
47.5	384.636	372.666	394.212	430.920	462.042
50.0	351.120	342.342	366.282	405.384	438.900
52.5	314.412	309.624	339.150	379.050	411.768
55.0	272.118	273.714	311.220	351.120	385.434
57.5	223.440	233.016	283.290	324.786	359.100
60.0	165.984	185.934	251.370	299.250	335.958
62.5	104.538	132.468	217.056	276.108	327.978
65.0	63.042	81.396	174.762	261.744	318.402
67.5	39.900	48.678	122.892	234.612	296.058
70.0	27.132	32.718	72.618	192.318	275.310
72.5	19.152	23.142	40.698	131.670	239.400
75.0	13.566	16.758	25.536	67.032	118.104
77.5	9.576	11.970	15.960	30.324	64.638
80.0	7.980	9.576	11.172	18.354	35.910
82.5	5.586	7.182	9.576	11.970	19.152
85.0	3.990	5.586	6.384	6.384	9.576
87.5	3.192	3.990	4.788	3.990	3.990
90.0	2.394	3.990	7.980	3.990	3.192
92.5	12.768	35.910	28.728	16.758	14.364
95.0	19.950	50.274	60.648	56.658	58.254
97.5	27.132	57.456	70.224	51.870	38.304
100.0	36.708	63.840	81.396	64.638	58.254
102.5	45.486	72.618	84.588	86.184	73.416
105.0	54.264	80.598	92.568	106.932	102.942
107.5	62.244	86.184	102.144	116.508	126.084
110.0	70.224	91.770	110.922	118.104	114.114
112.5	76.608	96.558	119.700	126.882	121.296
115.0	82.992	100.548	126.084	135.660	129.276
117.5	88.578	106.134	129.276	142.842	136.458
120.0	94.962	111.720	130.872	143.640	142.044
122.5	100.548	115.710	133.266	144.438	142.842
125.0	106.932	119.700	138.054	144.438	145.236
127.5	112.518	122.094	142.044	145.236	146.832
130.0	117.306	124.488	142.842	146.832	147.630
132.5	121.296	128.478	144.438	149.226	148.428

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CANDELA TABULATION - (Cont.)

135.0	126.084	130.872	147.630	150.024	149.226
137.5	129.276	130.872	146.832	150.822	150.024
140.0	129.276	132.468	144.438	150.822	150.024
142.5	131.670	136.458	142.842	150.822	149.226
145.0	136.458	138.054	142.044	150.024	148.428
147.5	139.650	138.852	142.044	148.428	147.630
150.0	141.246	139.650	140.448	146.034	146.034
152.5	141.246	139.650	139.650	144.438	144.438
155.0	141.246	140.448	139.650	142.842	142.842
157.5	141.246	140.448	138.852	140.448	140.448
160.0	142.044	140.448	139.650	139.650	138.852
162.5	141.246	139.650	139.650	138.852	138.054
165.0	142.044	140.448	139.650	138.852	138.054
167.5	142.044	140.448	138.852	138.852	138.054
170.0	141.246	139.650	138.852	137.256	137.256
172.5	140.448	138.852	138.054	137.256	136.458
175.0	139.650	138.852	138.054	137.256	136.458
177.5	139.650	138.852	138.054	137.256	135.660
180.0	138.054	138.054	138.054	138.054	138.054

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	246.90	N.A.	10.30
0-30	522.17	N.A.	21.80
0-40	851.40	N.A.	35.60
0-60	1465.56	N.A.	61.30
0-80	1696.89	N.A.	71.00
0-90	1705.23	N.A.	71.30
10-90	1640.99	N.A.	68.60
20-40	604.51	N.A.	25.30
20-50	937.38	N.A.	39.20
40-70	789.68	N.A.	33.00
60-80	231.33	N.A.	9.70
70-80	55.81	N.A.	2.30
80-90	8.34	N.A.	0.30
90-110	136.51	N.A.	5.70
90-120	251.76	N.A.	10.50
90-130	369.87	N.A.	15.50
90-150	568.33	N.A.	23.80
90-180	686.43	N.A.	28.70
110-180	549.92	N.A.	23.00
0-180	2391.66	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	64.24
10-20	182.66
20-30	275.28
30-40	329.23
40-50	332.87
50-60	281.29
60-70	175.52
70-80	55.81
80-90	8.34
90-100	44.39
100-110	92.12
110-120	115.25
120-130	118.11
130-140	108.77
140-150	89.69
150-160	65.33
160-170	39.56
170-180	13.19

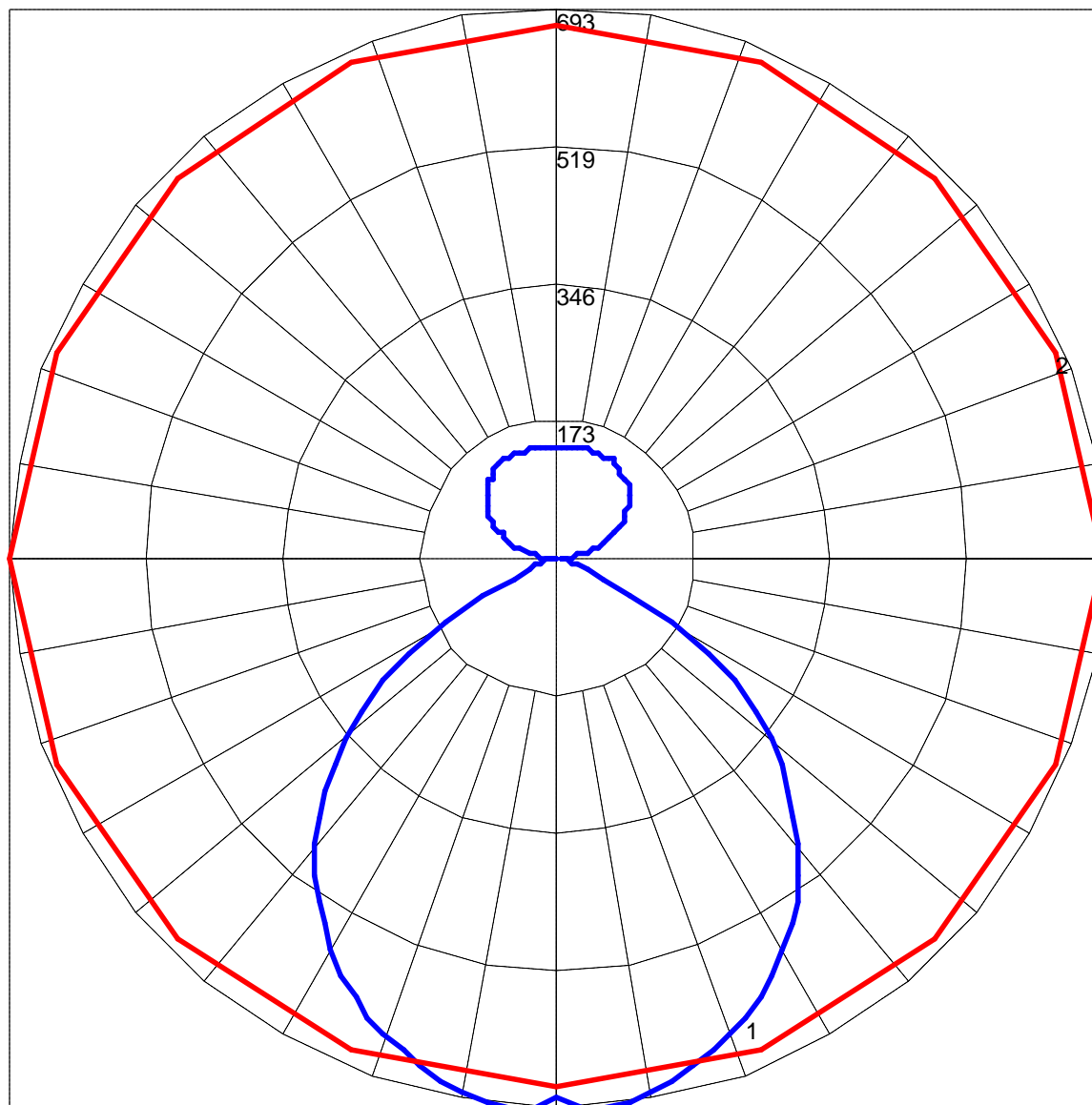
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	112	112	112	112	106	106	106	106	95	95	95	85	85	85	76	76	76	71
1	103	99	96	92	98	94	91	88	85	82	80	76	74	73	68	67	66	62
2	95	87	81	76	89	83	78	73	75	71	67	67	64	61	61	58	56	52
3	87	77	70	64	82	73	67	62	66	61	57	60	56	52	54	51	48	45
4	79	68	60	54	75	65	58	53	59	53	49	54	49	45	48	45	42	39
5	73	61	53	47	69	58	51	45	53	47	42	48	43	39	44	40	36	34
6	67	55	47	41	64	53	45	40	48	42	37	44	38	35	40	35	32	30
7	62	50	42	36	59	48	40	35	44	37	33	40	35	31	36	32	29	26
8	58	45	37	32	55	43	36	31	40	34	29	36	31	27	33	29	26	23
9	54	42	34	29	51	40	33	28	37	31	26	34	28	25	31	26	23	21
10	51	38	31	26	48	37	30	25	34	28	24	31	26	22	28	24	21	19

POLAR GRAPH



Maximum Candela = 692.664 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.)

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