



IES INDOOR REPORT
PHOTOMETRIC FILENAME : LDI-4-LED-2080-PL-SS-30.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-30
[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	2320
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	60
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	2048	2068	2382
55	1649	1886	2336
65	519	1438	2619
75	182	343	1587
85	159	255	382

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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	656.352	656.352	656.352	656.352	656.352
2.5	671.832	661.770	656.352	651.708	647.838
5.0	671.832	660.996	655.578	650.160	646.290
7.5	668.736	658.674	651.708	644.742	640.098
10.0	662.544	653.256	643.968	637.776	633.132
12.5	654.804	644.742	634.680	630.036	626.166
15.0	644.742	633.132	624.618	621.522	619.200
17.5	633.132	619.200	613.008	613.782	613.008
20.0	619.974	605.268	599.850	604.494	605.268
22.5	606.042	590.562	585.144	594.432	597.528
25.0	589.788	574.308	571.212	583.596	588.240
27.5	572.760	556.506	555.732	570.438	578.178
30.0	553.410	537.930	538.704	556.506	567.342
32.5	532.512	517.032	520.128	541.026	554.184
35.0	510.066	494.586	500.004	523.998	540.252
37.5	486.846	471.366	478.332	505.422	524.772
40.0	459.756	445.824	455.886	485.298	507.744
42.5	432.666	417.960	432.666	464.400	489.168
45.0	404.028	390.096	407.898	441.954	469.818
47.5	373.068	361.458	382.356	417.960	448.146
50.0	340.560	332.046	355.266	393.192	425.700
52.5	304.956	300.312	328.950	367.650	399.384
55.0	263.934	265.482	301.860	340.560	373.842
57.5	216.720	226.008	274.770	315.018	348.300
60.0	160.992	180.342	243.810	290.250	325.854
62.5	101.394	128.484	210.528	267.804	318.114
65.0	61.146	78.948	169.506	253.872	308.826
67.5	38.700	47.214	119.196	227.556	287.154
70.0	26.316	31.734	70.434	186.534	267.030
72.5	18.576	22.446	39.474	127.710	232.200
75.0	13.158	16.254	24.768	65.016	114.552
77.5	9.288	11.610	15.480	29.412	62.694
80.0	7.740	9.288	10.836	17.802	34.830
82.5	5.418	6.966	9.288	11.610	18.576
85.0	3.870	5.418	6.192	6.192	9.288
87.5	3.096	3.870	4.644	3.870	3.870
90.0	2.322	3.870	7.740	3.870	3.096
92.5	12.384	34.830	27.864	16.254	13.932
95.0	19.350	48.762	58.824	54.954	56.502
97.5	26.316	55.728	68.112	50.310	37.152
100.0	35.604	61.920	78.948	62.694	56.502
102.5	44.118	70.434	82.044	83.592	71.208
105.0	52.632	78.174	89.784	103.716	99.846
107.5	60.372	83.592	99.072	113.004	122.292
110.0	68.112	89.010	107.586	114.552	110.682
112.5	74.304	93.654	116.100	123.066	117.648
115.0	80.496	97.524	122.292	131.580	125.388
117.5	85.914	102.942	125.388	138.546	132.354
120.0	92.106	108.360	126.936	139.320	137.772
122.5	97.524	112.230	129.258	140.094	138.546
125.0	103.716	116.100	133.902	140.094	140.868
127.5	109.134	118.422	137.772	140.868	142.416
130.0	113.778	120.744	138.546	142.416	143.190
132.5	117.648	124.614	140.094	144.738	143.964

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CANDELA TABULATION - (Cont.)

135.0	122.292	126.936	143.190	145.512	144.738
137.5	125.388	126.936	142.416	146.286	145.512
140.0	125.388	128.484	140.094	146.286	145.512
142.5	127.710	132.354	138.546	146.286	144.738
145.0	132.354	133.902	137.772	145.512	143.964
147.5	135.450	134.676	137.772	143.964	143.190
150.0	136.998	135.450	136.224	141.642	141.642
152.5	136.998	135.450	135.450	140.094	140.094
155.0	136.998	136.224	135.450	138.546	138.546
157.5	136.998	136.224	134.676	136.224	136.224
160.0	137.772	136.224	135.450	135.450	134.676
162.5	136.998	135.450	135.450	134.676	133.902
165.0	137.772	136.224	135.450	134.676	133.902
167.5	137.772	136.224	134.676	134.676	133.902
170.0	136.998	135.450	134.676	133.128	133.128
172.5	136.224	134.676	133.902	133.128	132.354
175.0	135.450	134.676	133.902	133.128	132.354
177.5	135.450	134.676	133.902	133.128	131.580
180.0	133.902	133.902	133.902	133.902	133.902

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	239.47	N.A.	10.30
0-30	506.47	N.A.	21.80
0-40	825.80	N.A.	35.60
0-60	1421.48	N.A.	61.30
0-80	1645.86	N.A.	71.00
0-90	1653.94	N.A.	71.30
10-90	1591.64	N.A.	68.60
20-40	586.33	N.A.	25.30
20-50	909.18	N.A.	39.20
40-70	765.93	N.A.	33.00
60-80	224.37	N.A.	9.70
70-80	54.13	N.A.	2.30
80-90	8.09	N.A.	0.30
90-110	132.40	N.A.	5.70
90-120	244.19	N.A.	10.50
90-130	358.75	N.A.	15.50
90-150	551.24	N.A.	23.80
90-180	665.78	N.A.	28.70
110-180	533.38	N.A.	23.00
0-180	2319.73	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	62.30
10-20	177.17
20-30	267.00
30-40	319.33
40-50	322.86
50-60	272.83
60-70	170.24
70-80	54.13
80-90	8.09
90-100	43.05
100-110	89.35
110-120	111.79
120-130	114.56
130-140	105.50
140-150	86.99
150-160	63.37
160-170	38.37
170-180	12.80

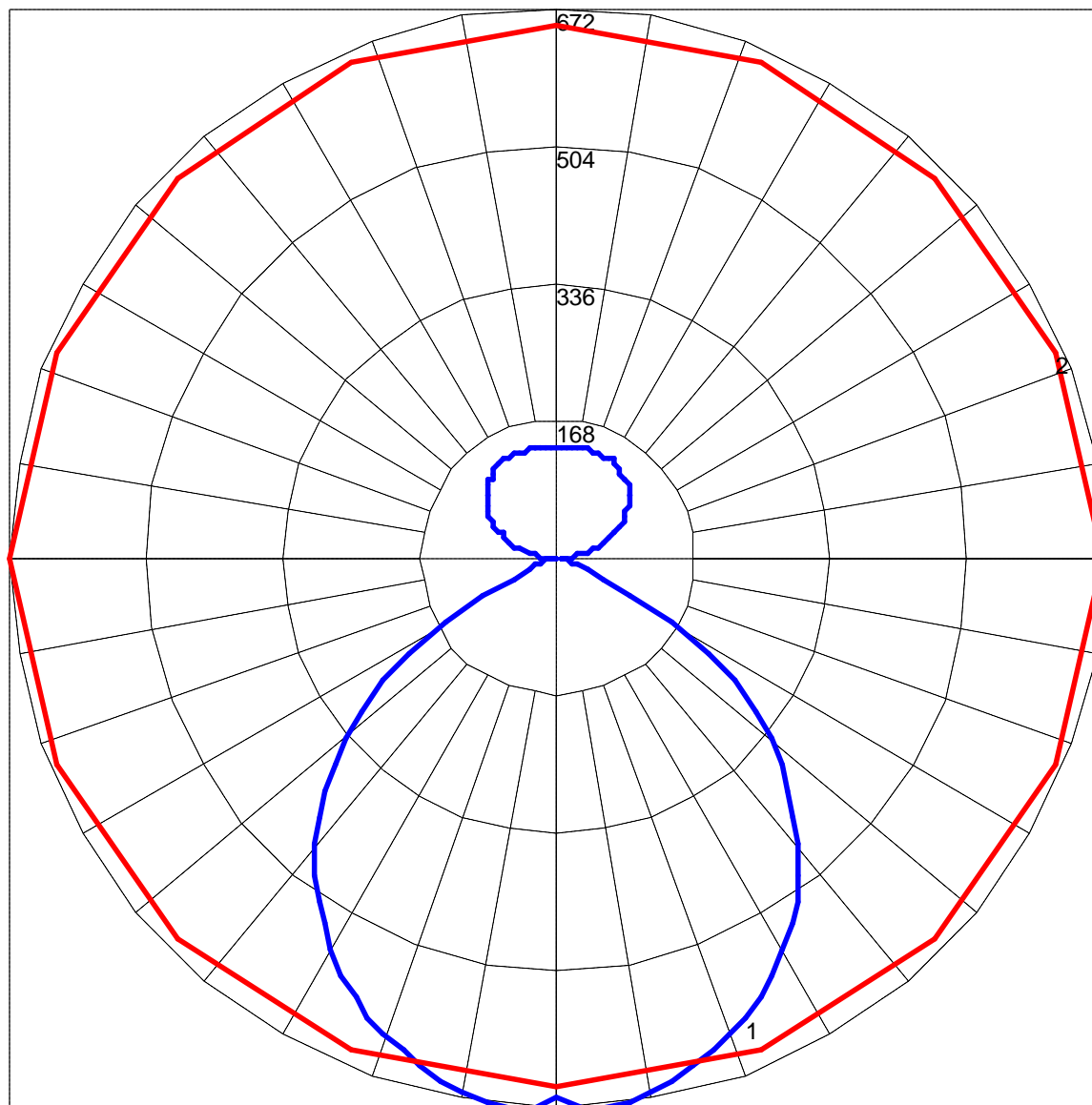
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	68	64	61	61	58	56	53
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 = 671.832 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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