



**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : LDI-4-LED-2080-PL-HO-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-HO-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	2898
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	58
Total Luminaire Watts	50.1
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	2559	2583	2976
55	2061	2357	2919
65	648	1796	3273
75	228	429	1982
85	199	318	477

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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	820.016	820.016	820.016	820.016	820.016
2.5	839.356	826.785	820.016	814.214	809.379
5.0	839.356	825.818	819.049	812.280	807.445
7.5	835.488	822.917	814.214	805.511	799.709
10.0	827.752	816.148	804.544	796.808	791.006
12.5	818.082	805.511	792.940	787.138	782.303
15.0	805.511	791.006	780.369	776.501	773.600
17.5	791.006	773.600	765.864	766.831	765.864
20.0	774.567	756.194	749.425	755.227	756.194
22.5	757.161	737.821	731.052	742.656	746.524
25.0	736.854	717.514	713.646	729.118	734.920
27.5	715.580	695.273	694.306	712.679	722.349
30.0	691.405	672.065	673.032	695.273	708.811
32.5	665.296	645.956	649.824	675.933	692.372
35.0	637.253	617.913	624.682	654.659	674.966
37.5	608.243	588.903	597.606	631.451	655.626
40.0	574.398	556.992	569.563	606.309	634.352
42.5	540.553	522.180	540.553	580.200	611.144
45.0	504.774	487.368	509.609	552.157	586.969
47.5	466.094	451.589	477.698	522.180	559.893
50.0	425.480	414.843	443.853	491.236	531.850
52.5	380.998	375.196	410.975	459.325	498.972
55.0	329.747	331.681	377.130	425.480	467.061
57.5	270.760	282.364	343.285	393.569	435.150
60.0	201.136	225.311	304.605	362.625	407.107
62.5	126.677	160.522	263.024	334.582	397.437
65.0	76.393	98.634	211.773	317.176	385.833
67.5	48.350	58.987	148.918	284.298	358.757
70.0	32.878	39.647	87.997	233.047	333.615
72.5	23.208	28.043	49.317	159.555	290.100
75.0	16.439	20.307	30.944	81.228	143.116
77.5	11.604	14.505	19.340	36.746	78.327
80.0	9.670	11.604	13.538	22.241	43.515
82.5	6.769	8.703	11.604	14.505	23.208
85.0	4.835	6.769	7.736	7.736	11.604
87.5	3.868	4.835	5.802	4.835	4.835
90.0	2.901	4.835	9.670	4.835	3.868
92.5	15.472	43.515	34.812	20.307	17.406
95.0	24.175	60.921	73.492	68.657	70.591
97.5	32.878	69.624	85.096	62.855	46.416
100.0	44.482	77.360	98.634	78.327	70.591
102.5	55.119	87.997	102.502	104.436	88.964
105.0	65.756	97.667	112.172	129.578	124.743
107.5	75.426	104.436	123.776	141.182	152.786
110.0	85.096	111.205	134.413	143.116	138.281
112.5	92.832	117.007	145.050	153.753	146.984
115.0	100.568	121.842	152.786	164.390	156.654
117.5	107.337	128.611	156.654	173.093	165.357
120.0	115.073	135.380	158.588	174.060	172.126
122.5	121.842	140.215	161.489	175.027	173.093
125.0	129.578	145.050	167.291	175.027	175.994
127.5	136.347	147.951	172.126	175.994	177.928
130.0	142.149	150.852	173.093	177.928	178.895
132.5	146.984	155.687	175.027	180.829	179.862

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**CANDELA TABULATION - (Cont.)**

<b>135.0</b>	152.786	158.588	178.895	181.796	180.829
<b>137.5</b>	156.654	158.588	177.928	182.763	181.796
<b>140.0</b>	156.654	160.522	175.027	182.763	181.796
<b>142.5</b>	159.555	165.357	173.093	182.763	180.829
<b>145.0</b>	165.357	167.291	172.126	181.796	179.862
<b>147.5</b>	169.225	168.258	172.126	179.862	178.895
<b>150.0</b>	171.159	169.225	170.192	176.961	176.961
<b>152.5</b>	171.159	169.225	169.225	175.027	175.027
<b>155.0</b>	171.159	170.192	169.225	173.093	173.093
<b>157.5</b>	171.159	170.192	168.258	170.192	170.192
<b>160.0</b>	172.126	170.192	169.225	169.225	168.258
<b>162.5</b>	171.159	169.225	169.225	168.258	167.291
<b>165.0</b>	172.126	170.192	169.225	168.258	167.291
<b>167.5</b>	172.126	170.192	168.258	168.258	167.291
<b>170.0</b>	171.159	169.225	168.258	166.324	166.324
<b>172.5</b>	170.192	168.258	167.291	166.324	165.357
<b>175.0</b>	169.225	168.258	167.291	166.324	165.357
<b>177.5</b>	169.225	168.258	167.291	166.324	164.390
<b>180.0</b>	167.291	167.291	167.291	167.291	167.291

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**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	299.18	N.A.	10.30
0-30	632.76	N.A.	21.80
0-40	1031.71	N.A.	35.60
0-60	1775.94	N.A.	61.30
0-80	2056.26	N.A.	71.00
0-90	2066.36	N.A.	71.30
10-90	1988.52	N.A.	68.60
20-40	732.53	N.A.	25.30
20-50	1135.89	N.A.	39.20
40-70	956.91	N.A.	33.00
60-80	280.32	N.A.	9.70
70-80	67.63	N.A.	2.30
80-90	10.10	N.A.	0.30
90-110	165.41	N.A.	5.70
90-120	305.08	N.A.	10.50
90-130	448.20	N.A.	15.50
90-150	688.70	N.A.	23.80
90-180	831.80	N.A.	28.70
110-180	666.38	N.A.	23.00
0-180	2898.16	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	77.84
10-20	221.34
20-30	333.57
30-40	398.96
40-50	403.36
50-60	340.86
60-70	212.69
70-80	67.63
80-90	10.10
90-100	53.79
100-110	111.63
110-120	139.66
120-130	143.13
130-140	131.81
140-150	108.69
150-160	79.17
160-170	47.94
170-180	15.99

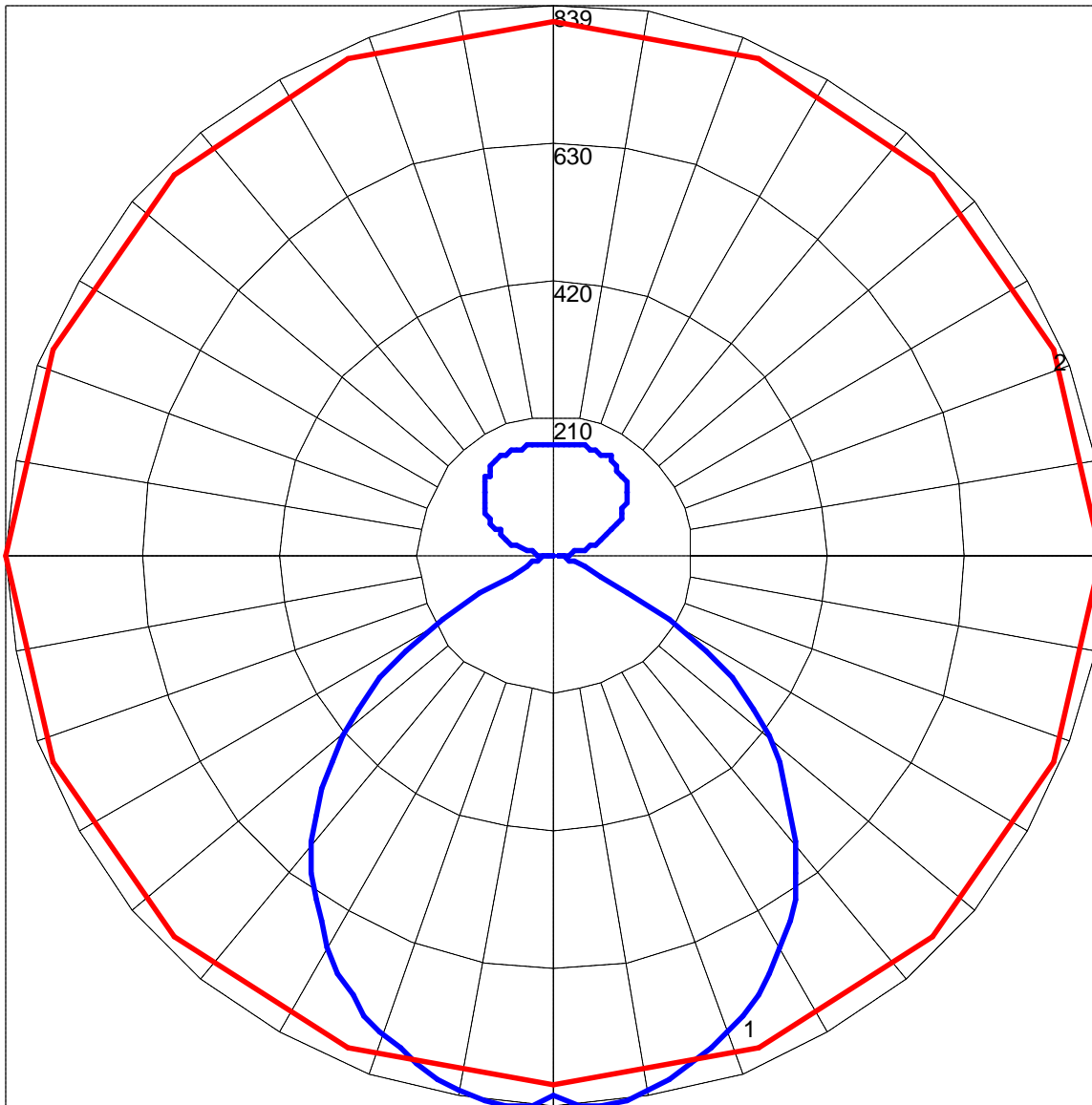
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**COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD**

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 = 839.356 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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