



IES INDOOR REPORT

PHOTOMETRIC FILENAME : LDI-4-LED-2080-PL-HO-40.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

[LUMEN CATEGORY]LDI-4-LED-2080-PL-HO-40

[ABSOLUTE]NOTE: DATA SHOWN IS ABSOLUTE FOR THE SAMPLE PROVIDED.

[OTHER]TEST PROCEDURE: IESNA LM-79-08

[SEARCH SOURCE TYPE] LED

[SEARCH APPLICATION] Outdoor

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	2997
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	60
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	2646	2672	3077
55	2131	2437	3019
65	670	1858	3384
75	235	443	2050
85	206	329	494

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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	848	848	848	848	848
2.5	868	855	848	842	837
5.0	868	854	847	840	835
7.5	864	851	842	833	827
10.0	856	844	832	824	818
12.5	846	833	820	814	809
15.0	833	818	807	803	800
17.5	818	800	792	793	792
20.0	801	782	775	781	782
22.5	783	763	756	768	772
25.0	762	742	738	754	760
27.5	740	719	718	737	747
30.0	715	695	696	719	733
32.5	688	668	672	699	716
35.0	659	639	646	677	698
37.5	629	609	618	653	678
40.0	594	576	589	627	656
42.5	559	540	559	600	632
45.0	522	504	527	571	607
47.5	482	467	494	540	579
50.0	440	429	459	508	550
52.5	394	388	425	475	516
55.0	341	343	390	440	483
57.5	280	292	355	407	450
60.0	208	233	315	375	421
62.5	131	166	272	346	411
65.0	79	102	219	328	399
67.5	50	61	154	294	371
70.0	34	41	91	241	345
72.5	24	29	51	165	300
75.0	17	21	32	84	148
77.5	12	15	20	38	81
80.0	10	12	14	23	45
82.5	7	9	12	15	24
85.0	5	7	8	8	12
87.5	4	5	6	5	5
90.0	3	5	10	5	4
92.5	16	45	36	21	18
95.0	25	63	76	71	73
97.5	34	72	88	65	48
100.0	46	80	102	81	73
102.5	57	91	106	108	92
105.0	68	101	116	134	129
107.5	78	108	128	146	158
110.0	88	115	139	148	143
112.5	96	121	150	159	152
115.0	104	126	158	170	162
117.5	111	133	162	179	171
120.0	119	140	164	180	178
122.5	126	145	167	181	179
125.0	134	150	173	181	182
127.5	141	153	178	182	184
130.0	147	156	179	184	185
132.5	152	161	181	187	186

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CANDELA TABULATION - (Cont.)

135.0	158	164	185	188	187
137.5	162	164	184	189	188
140.0	162	166	181	189	188
142.5	165	171	179	189	187
145.0	171	173	178	188	186
147.5	175	174	178	186	185
150.0	177	175	176	183	183
152.5	177	175	175	181	181
155.0	177	176	175	179	179
157.5	177	176	174	176	176
160.0	178	176	175	175	174
162.5	177	175	175	174	173
165.0	178	176	175	174	173
167.5	178	176	174	174	173
170.0	177	175	174	172	172
172.5	176	174	173	172	171
175.0	175	174	173	172	171
177.5	175	174	173	172	170
180.0	173	173	173	173	173

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	309.39	N.A.	10.30
0-30	654.35	N.A.	21.80
0-40	1066.92	N.A.	35.60
0-60	1836.54	N.A.	61.30
0-80	2126.43	N.A.	71.00
0-90	2136.88	N.A.	71.30
10-90	2056.38	N.A.	68.60
20-40	757.53	N.A.	25.30
20-50	1174.66	N.A.	39.20
40-70	989.57	N.A.	33.00
60-80	289.89	N.A.	9.70
70-80	69.94	N.A.	2.30
80-90	10.45	N.A.	0.30
90-110	171.06	N.A.	5.70
90-120	315.49	N.A.	10.50
90-130	463.50	N.A.	15.50
90-150	712.20	N.A.	23.80
90-180	860.18	N.A.	28.70
110-180	689.12	N.A.	23.00
0-180	2997.06	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	80.50
10-20	228.90
20-30	344.96
30-40	412.57
40-50	417.13
50-60	352.49
60-70	219.95
70-80	69.94
80-90	10.45
90-100	55.62
100-110	115.44
110-120	144.43
120-130	148.01
130-140	136.30
140-150	112.40
150-160	81.87
160-170	49.58
170-180	16.54

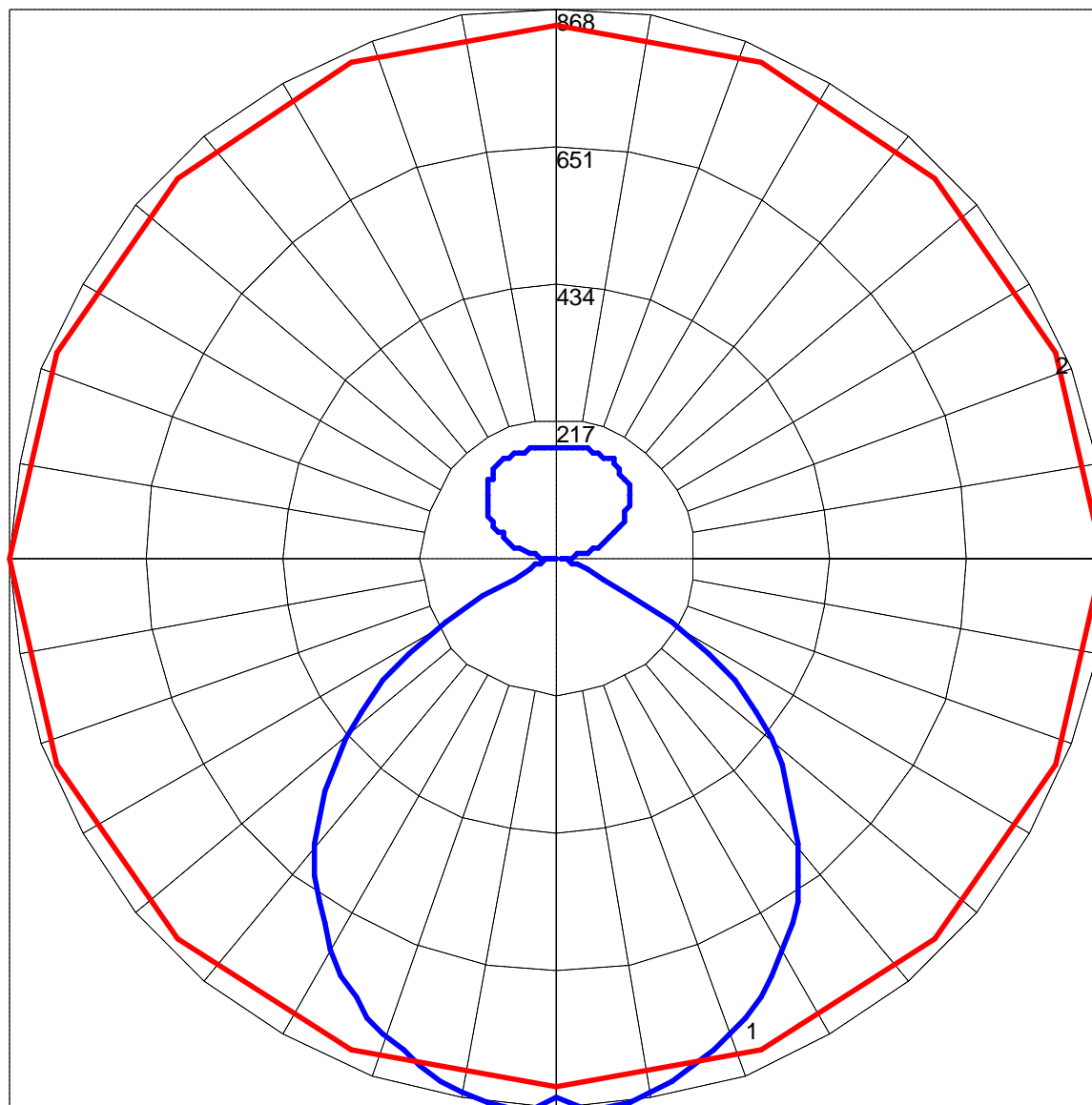
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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 = 868 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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