



IES INDOOR REPORT
PHOTOMETRIC FILENAME : LDI-4-LED-2080-PL-VHO-40.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST]LED-7324A
[TESTLAB]Dekko
[ISSUE DATE]06-19-2017
[TEST DATE]10/01/15
[MANUFACTURER]LSI INDUSTRIES, INC
[LUMCAT] LDI-4-LED-2080-PL-VHO-40
[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	3837
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	56
Total Luminaire Watts	69
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	3459	3463	3982
55	2824	3111	3925
65	890	2219	3818
75	307	636	2680
85	236	405	944

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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	1085.68	1085.68	1085.68	1085.68	1085.68
2.5	1111.10	1093.88	1085.68	1076.66	1069.28
5.0	1109.46	1091.42	1082.40	1071.74	1065.18
7.5	1105.36	1086.50	1075.84	1066.00	1059.44
10.0	1097.16	1076.66	1067.64	1058.62	1052.06
12.5	1084.86	1062.72	1055.34	1047.14	1040.58
15.0	1067.64	1046.32	1038.94	1033.20	1029.92
17.5	1049.60	1028.28	1019.26	1020.08	1018.44
20.0	1029.92	1006.96	998.76	1005.32	1006.14
22.5	1007.78	984.00	975.80	988.92	993.02
25.0	983.18	958.58	952.02	970.88	979.08
27.5	954.48	929.88	926.60	950.38	962.68
30.0	924.96	898.72	898.72	928.24	943.82
32.5	891.34	864.28	869.20	902.82	924.14
35.0	855.26	828.20	836.40	874.94	902.00
37.5	816.72	789.66	800.32	845.42	876.58
40.0	773.26	747.84	763.42	813.44	848.70
42.5	728.16	701.92	724.88	779.00	818.36
45.0	682.24	655.18	683.06	740.46	785.56
47.5	630.58	608.44	639.60	700.28	749.48
50.0	577.28	558.42	593.68	659.28	711.76
52.5	519.06	504.30	546.94	615.00	670.76
55.0	451.82	445.26	497.74	569.08	628.12
57.5	373.92	378.84	445.26	520.70	583.84
60.0	282.08	301.76	388.68	473.14	540.38
62.5	177.12	218.12	328.82	425.58	496.10
65.0	104.96	134.48	261.58	374.74	450.18
67.5	65.60	82.00	191.06	317.34	404.26
70.0	44.28	54.12	127.92	254.20	349.32
72.5	31.16	37.72	78.72	186.96	263.22
75.0	22.14	27.06	45.92	124.64	193.52
77.5	15.58	19.68	28.70	76.26	138.58
80.0	11.48	14.76	18.86	36.90	74.62
82.5	8.20	10.66	13.94	21.32	43.46
85.0	5.74	7.38	9.84	13.12	22.96
87.5	4.10	6.56	8.20	8.20	13.12
90.0	6.56	20.50	31.16	19.68	13.12
92.5	18.86	52.48	63.96	52.48	50.84
95.0	31.16	67.24	129.56	205.82	184.50
97.5	42.64	89.38	144.32	142.68	127.10
100.0	53.30	100.04	139.40	147.60	155.80
102.5	65.60	104.14	146.78	146.78	143.50
105.0	78.72	109.06	150.88	153.34	145.96
107.5	91.02	113.16	146.78	145.14	160.72
110.0	101.68	123.00	159.90	171.38	176.30
112.5	117.26	128.74	152.52	189.42	193.52
115.0	126.28	136.94	159.90	203.36	205.82
117.5	141.04	145.96	178.76	175.48	201.72
120.0	150.06	157.44	164.82	178.76	200.90
122.5	164.00	165.64	169.74	191.88	205.00
125.0	171.38	181.22	180.40	199.26	209.10
127.5	187.78	174.66	201.72	200.08	213.20
130.0	194.34	186.96	216.48	205.00	216.48
132.5	195.16	191.06	219.76	215.66	218.94

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CANDELA TABULATION - (Cont.)

135.0	200.90	209.92	214.84	227.14	222.22
137.5	216.48	220.58	213.20	236.16	225.50
140.0	226.32	235.34	214.84	241.08	227.96
142.5	244.36	246.00	218.94	242.72	230.42
145.0	250.92	239.44	226.32	241.90	232.88
147.5	243.54	233.70	234.52	239.44	235.34
150.0	238.62	234.52	241.90	237.80	239.44
152.5	241.08	242.72	248.46	241.08	243.54
155.0	249.28	250.92	254.20	244.36	244.36
157.5	254.20	255.84	259.12	247.64	247.64
160.0	261.58	260.76	260.76	253.38	250.10
162.5	267.32	265.68	262.40	256.66	254.20
165.0	270.60	267.32	263.22	257.48	256.66
167.5	271.42	267.32	262.40	258.30	256.66
170.0	269.78	264.86	261.58	258.30	256.66
172.5	266.50	262.40	259.94	257.48	255.84
175.0	264.86	261.58	259.94	256.66	255.02
177.5	263.22	259.94	258.30	255.84	253.38
180.0	257.48	257.48	257.48	257.48	257.48

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	397.04	N.A.	10.30
0-30	841.93	N.A.	21.90
0-40	1375.95	N.A.	35.90
0-60	2372.75	N.A.	61.80
0-80	2724.7	N.A.	71.00
0-90	2741.42	N.A.	71.40
10-90	2638.45	N.A.	68.80
20-40	978.91	N.A.	25.50
20-50	1520.47	N.A.	39.60
40-70	1261.24	N.A.	32.90
60-80	351.95	N.A.	9.20
70-80	87.51	N.A.	2.30
80-90	16.71	N.A.	0.40
90-110	238.40	N.A.	6.20
90-120	399.50	N.A.	10.40
90-130	566.58	N.A.	14.80
90-150	881.73	N.A.	23.00
90-180	1095.48	N.A.	28.60
110-180	857.07	N.A.	22.30
0-180	3836.89	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	102.96
10-20	294.08
20-30	444.89
30-40	534.02
40-50	541.56
50-60	455.24
60-70	264.44
70-80	87.51
80-90	16.71
90-100	99.55
100-110	138.85
110-120	161.09
120-130	167.09
130-140	166.90
140-150	148.25
150-160	114.77
160-170	74.15
170-180	24.83

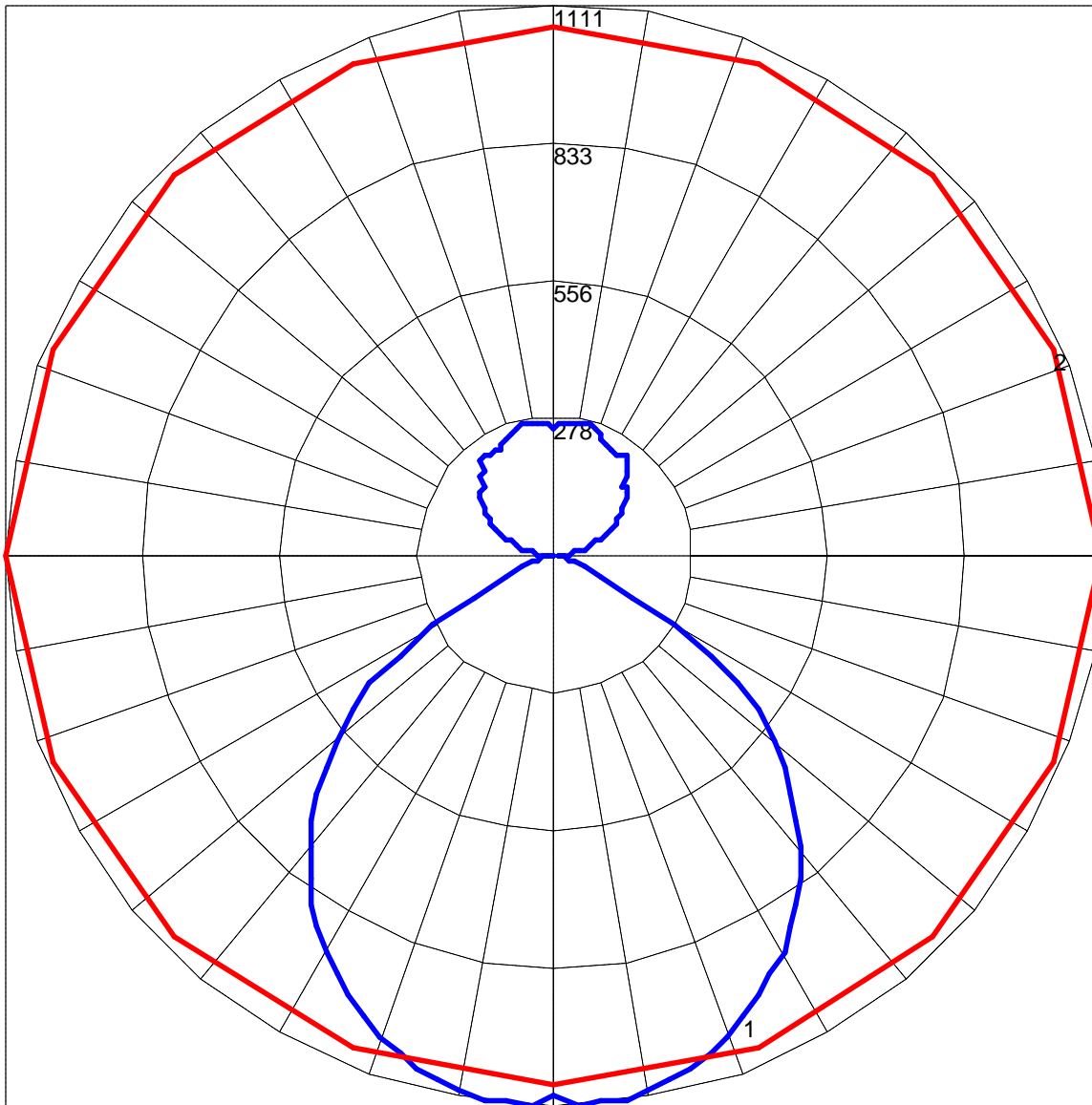
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	62	61	58	56	53
3	87	77	70	64	82	74	67	62	67	61	57	60	56	53	54	51	48	45
4	79	69	61	55	75	65	58	53	59	54	49	54	49	45	49	45	42	39
5	73	61	53	47	69	59	51	46	53	47	42	48	43	40	44	40	37	34
6	67	55	47	41	64	53	45	40	48	42	37	44	39	35	40	36	32	30
7	62	50	42	36	59	48	40	35	44	37	33	40	35	31	36	32	29	26
8	58	45	38	32	55	44	36	31	40	34	29	37	31	28	33	29	26	24
9	54	42	34	29	51	40	33	28	37	31	26	34	29	25	31	26	23	21
10	51	38	31	26	48	37	30	25	34	28	24	31	26	22	29	24	21	19

POLAR GRAPH



Maximum Candela = 1111.1 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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