



IES INDOOR REPORT
PHOTOMETRIC FILENAME : LDI-4-LED-5050-PL-SS-40.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST]
[TESTLAB]Dekko
[ISSUE DATE]06-19-2017
[TEST DATE]03/08/17
[MANUFACTURER]LSI INDUSTRIES, INC
[LUMCAT] LDI-4-LED-5050-PL-SS-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	2876
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	75
Total Luminaire Watts	38.4
Ballast Factor	1.00
CIE Type	General Diffuse
Spacing Criterion (0-180)	N.A.
Spacing Criterion (90-270)	N.A.
Spacing Criterion (Diagonal)	N.A.
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	1761	1803	2091
55	1428	1671	2088
65	448	1323	2435
75	171	331	1554
85	204	305	407

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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	556.050	556.050	556.050	556.050	556.050
2.5	569.250	560.175	556.050	551.100	547.800
5.0	568.425	559.350	555.225	550.275	546.975
7.5	565.125	556.875	551.925	546.150	542.025
10.0	561.000	552.750	546.150	540.375	537.075
12.5	554.400	546.150	538.725	534.600	532.125
15.0	546.975	537.075	530.475	528.825	527.175
17.5	537.900	526.350	521.400	523.050	522.225
20.0	527.175	514.800	510.675	515.625	516.450
22.5	515.625	503.250	500.775	508.200	511.500
25.0	502.425	489.225	488.400	499.125	504.900
27.5	487.575	475.200	475.200	490.050	497.475
30.0	471.900	458.700	462.000	479.325	490.050
32.5	454.575	441.375	447.150	467.775	480.150
35.0	436.425	423.225	431.475	454.575	470.250
37.5	414.975	403.425	414.150	439.725	458.700
40.0	394.350	382.800	395.175	424.050	444.675
42.5	371.250	360.525	375.375	406.725	429.000
45.0	347.325	338.250	355.575	387.750	412.500
47.5	322.575	314.325	334.950	367.125	394.350
50.0	295.350	288.750	313.500	346.500	375.375
52.5	263.175	262.350	289.575	325.050	355.575
55.0	228.525	232.650	267.300	304.425	334.125
57.5	187.275	195.525	244.200	282.975	311.850
60.0	136.950	157.575	220.275	262.350	294.525
62.5	88.275	113.850	191.400	245.850	293.700
65.0	52.800	71.775	155.925	236.775	287.100
67.5	34.650	43.725	112.200	213.675	268.125
70.0	23.925	29.700	67.650	175.725	254.100
72.5	16.500	21.450	37.950	122.100	225.225
75.0	12.375	15.675	23.925	66.825	112.200
77.5	9.075	12.375	16.500	29.700	61.875
80.0	7.425	9.900	12.375	18.975	34.650
82.5	5.775	8.250	9.075	12.375	18.975
85.0	4.950	6.600	7.425	8.250	9.900
87.5	4.125	5.775	6.600	6.600	6.600
90.0	3.300	6.600	10.725	6.600	5.775
92.5	18.975	45.375	47.025	24.750	23.100
95.0	29.700	68.475	86.625	77.550	53.625
97.5	41.250	84.975	113.025	93.225	76.725
100.0	55.275	99.825	134.475	128.700	115.500
102.5	71.775	120.450	161.700	174.075	158.400
105.0	90.750	144.375	188.100	212.850	202.950
107.5	109.725	165.825	215.325	243.375	245.850
110.0	126.225	183.150	236.775	258.225	255.750
112.5	142.725	198.000	254.100	275.550	275.550
115.0	159.225	209.550	266.475	293.700	293.700
117.5	174.075	221.100	278.025	308.550	306.075
120.0	187.275	229.350	287.925	317.625	316.800
122.5	201.300	239.250	290.400	320.925	324.225
125.0	217.800	252.450	292.875	321.750	328.350
127.5	232.650	258.225	298.650	323.400	330.825
130.0	241.725	259.875	307.725	324.225	334.125
132.5	249.150	263.175	313.500	325.875	335.775

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CANDELA TABULATION - (Cont.)

135.0	257.400	268.950	314.325	327.525	335.775
137.5	266.475	277.200	313.500	327.525	335.775
140.0	276.375	283.800	311.025	326.700	334.950
142.5	285.450	287.100	306.900	325.875	332.475
145.0	291.225	290.400	303.600	324.225	329.175
147.5	293.700	292.050	299.475	320.925	325.050
150.0	295.350	292.875	297.000	317.625	319.275
152.5	297.000	294.525	296.175	312.675	313.500
155.0	297.825	295.350	297.000	308.550	308.550
157.5	299.475	297.825	299.475	305.250	303.600
160.0	301.125	300.300	301.950	302.775	300.300
162.5	304.425	303.600	303.600	301.125	298.650
165.0	307.725	306.075	303.600	301.125	297.825
167.5	308.550	306.900	302.775	300.300	296.175
170.0	308.550	306.900	301.950	299.475	296.175
172.5	306.075	304.425	301.125	297.825	295.350
175.0	304.425	301.950	299.475	297.000	294.525
177.5	302.775	300.300	298.650	297.000	295.350
180.0	297.825	297.825	297.825	297.825	297.825

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	203.29	N.A.	7.10
0-30	431.53	N.A.	15.00
0-40	706.82	N.A.	24.60
0-60	1229.21	N.A.	42.70
0-80	1438.24	N.A.	50.00
0-90	1447.88	N.A.	50.30
10-90	1395.13	N.A.	48.50
20-40	503.53	N.A.	17.50
20-50	784.92	N.A.	27.30
40-70	678.74	N.A.	23.60
60-80	209.03	N.A.	7.30
70-80	52.68	N.A.	1.80
80-90	9.64	N.A.	0.30
90-110	247.86	N.A.	8.60
90-120	493.11	N.A.	17.10
90-130	747.97	N.A.	26.00
90-150	1173.83	N.A.	40.80
90-180	1428.00	N.A.	49.70
110-180	1180.14	N.A.	41.00
0-180	2875.88	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	52.75
10-20	150.54
20-30	228.24
30-40	275.29
40-50	281.39
50-60	241.00
60-70	156.35
70-80	52.68
80-90	9.64
90-100	68.13
100-110	179.73
110-120	245.25
120-130	254.86
130-140	233.43
140-150	192.43
150-160	139.67
160-170	85.80
170-180	28.70

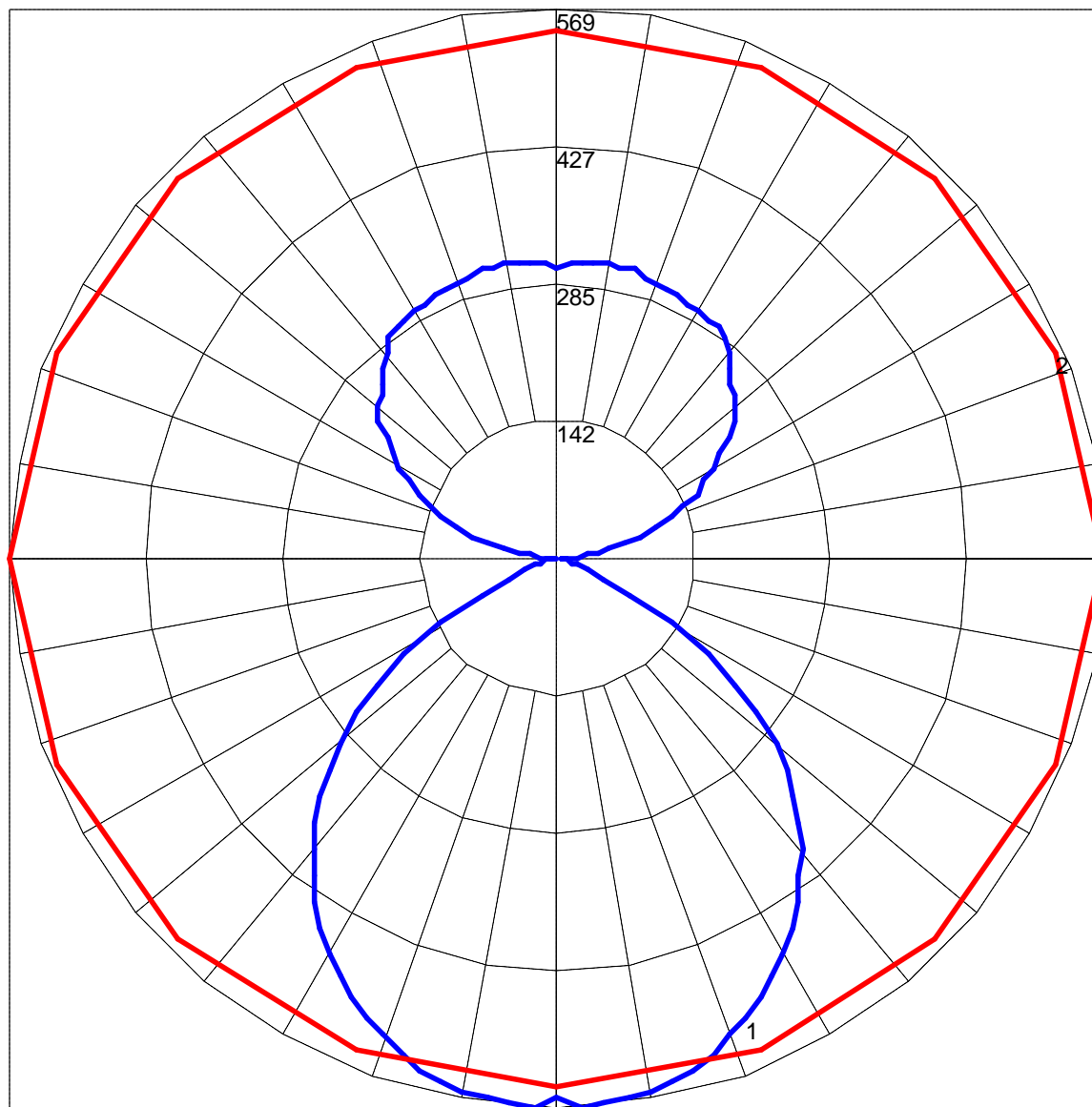
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	107	107	107	107	99	99	99	99	84	84	84	69	69	69	56	56	56	50
1	98	94	90	87	91	87	84	81	74	72	70	62	60	59	51	50	49	43
2	90	83	77	72	83	77	71	67	65	61	58	55	52	49	45	43	41	37
3	82	73	66	60	75	67	61	56	58	53	49	48	45	42	40	37	35	31
4	75	64	57	51	69	60	53	48	51	46	42	43	39	36	36	33	31	27
5	69	57	49	43	63	53	46	41	46	40	36	39	35	31	32	29	27	23
6	63	51	43	38	58	48	41	36	41	36	31	35	31	27	29	26	23	21
7	59	46	39	33	54	43	36	31	37	32	28	32	27	24	27	23	21	18
8	54	42	34	29	50	39	32	28	34	28	25	29	25	22	24	21	19	16
9	51	38	31	26	47	36	29	25	31	26	22	27	22	19	22	19	17	15
10	47	35	28	23	44	33	26	22	29	23	20	25	20	17	21	18	15	13

POLAR GRAPH



Maximum Candela = 569.25 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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