



IES INDOOR REPORT
PHOTOMETRIC FILENAME : LDI-4-LED-5050-PL-VHO-35.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST]
[TESTLAB]Dekko
[ISSUE DATE]06-19-2017
[TEST DATE]03/07/17
[MANUFACTURER]LSI INDUSTRIES, INC
[LUMCAT] LDI-4-LED-5050-PL-VHO-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	3984
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	58
Total Luminaire Watts	69
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	2550	2602	3027
55	2074	2381	3034
65	645	1780	3285
75	241	505	2161
85	293	423	749

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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	798.336	798.336	798.336	798.336	798.336
2.5	817.344	804.672	799.128	792.792	787.248
5.0	816.552	803.088	795.960	789.624	784.080
7.5	812.592	799.128	791.208	784.080	779.328
10.0	806.256	792.000	784.080	776.952	771.408
12.5	796.752	782.496	773.784	768.240	763.488
15.0	785.664	770.616	761.904	759.528	756.360
17.5	772.992	756.360	748.440	750.024	749.232
20.0	757.944	740.520	733.392	739.728	742.104
22.5	742.104	723.096	717.552	729.432	734.976
25.0	723.096	704.880	700.920	718.344	726.264
27.5	702.504	684.288	683.496	705.672	716.760
30.0	680.328	661.320	664.488	690.624	705.672
32.5	656.568	635.976	643.896	673.992	693.000
35.0	630.432	609.840	620.928	655.776	678.744
37.5	600.336	582.120	597.168	635.184	662.904
40.0	569.448	552.024	570.240	613.008	642.312
42.5	536.976	521.136	542.520	587.664	621.720
45.0	502.920	487.872	513.216	559.944	597.168
47.5	467.280	453.816	482.328	532.224	571.824
50.0	427.680	416.592	449.856	502.128	544.896
52.5	384.912	376.992	415.008	471.240	516.384
55.0	331.848	333.432	380.952	438.768	485.496
57.5	270.072	280.368	343.728	406.296	454.608
60.0	200.376	224.136	304.920	373.824	422.928
62.5	126.720	161.568	260.568	341.352	399.960
65.0	76.032	102.960	209.880	312.048	387.288
67.5	49.896	64.152	154.440	274.824	350.856
70.0	34.056	43.560	100.584	220.968	309.672
72.5	23.760	30.888	60.192	157.608	249.480
75.0	17.424	22.968	36.432	93.456	156.024
77.5	12.672	18.216	25.344	51.480	97.416
80.0	10.296	14.256	18.216	28.512	56.232
82.5	9.504	11.880	13.464	19.008	31.680
85.0	7.128	9.504	10.296	12.672	18.216
87.5	6.336	8.712	8.712	9.504	11.088
90.0	9.504	15.840	20.592	18.216	15.840
92.5	26.136	48.312	92.664	114.840	49.896
95.0	46.728	65.736	161.568	98.208	79.200
97.5	71.280	98.208	152.064	289.080	196.416
100.0	99.000	126.720	186.912	181.368	175.824
102.5	128.304	148.896	173.448	213.840	204.336
105.0	158.400	168.696	196.416	202.752	247.104
107.5	193.248	190.080	211.464	214.632	230.472
110.0	218.592	206.712	218.592	228.888	240.768
112.5	237.600	232.848	239.184	250.272	254.232
115.0	280.368	247.896	270.072	265.320	266.904
117.5	304.128	266.112	281.952	281.952	281.160
120.0	315.216	289.872	289.872	299.376	295.416
122.5	350.064	320.760	308.088	314.424	309.672
125.0	382.536	346.104	326.304	330.264	323.928
127.5	401.544	355.608	341.352	348.480	337.392
130.0	417.384	360.360	354.816	361.152	350.856
132.5	435.600	381.744	368.280	373.824	363.528

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CANDELA TABULATION - (Cont.)

135.0	451.440	412.632	388.080	384.912	376.992
137.5	465.696	446.688	407.880	394.416	390.456
140.0	478.368	468.864	422.928	402.336	401.544
142.5	498.960	482.328	430.056	409.464	415.800
145.0	514.008	496.584	437.184	415.800	426.888
147.5	529.056	513.216	445.104	430.056	435.600
150.0	543.312	528.264	465.696	444.312	443.520
152.5	548.064	537.768	493.416	456.192	452.232
155.0	549.648	544.104	510.840	472.824	458.568
157.5	551.232	549.648	522.720	498.168	472.032
160.0	554.400	552.024	531.432	512.424	495.792
162.5	556.776	555.192	544.896	520.344	506.088
165.0	558.360	557.568	552.024	536.976	521.928
167.5	559.152	559.152	553.608	548.856	541.728
170.0	559.152	558.360	554.400	550.440	545.688
172.5	558.360	557.568	553.608	550.440	545.688
175.0	557.568	555.984	552.024	548.064	544.896
177.5	555.984	554.400	549.648	545.688	543.312
180.0	548.856	548.856	548.856	548.856	548.856

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	291.87	N.A.	7.30
0-30	620.14	N.A.	15.60
0-40	1017.19	N.A.	25.50
0-60	1770.28	N.A.	44.40
0-80	2055.1	N.A.	51.60
0-90	2070.53	N.A.	52.00
10-90	1994.8	N.A.	50.10
20-40	725.32	N.A.	18.20
20-50	1131.96	N.A.	28.40
40-70	966.24	N.A.	24.30
60-80	284.82	N.A.	7.10
70-80	71.67	N.A.	1.80
80-90	15.43	N.A.	0.40
90-110	318.12	N.A.	8.00
90-120	577.09	N.A.	14.50
90-130	877.40	N.A.	22.00
90-150	1472.44	N.A.	37.00
90-180	1913.77	N.A.	48.00
110-180	1595.64	N.A.	40.00
0-180	3984.29	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	75.72
10-20	216.15
20-30	328.27
30-40	397.04
40-50	406.64
50-60	346.45
60-70	213.15
70-80	71.67
80-90	15.43
90-100	116.09
100-110	202.04
110-120	258.96
120-130	300.31
130-140	308.90
140-150	286.14
150-160	234.49
160-170	154.09
170-180	52.74

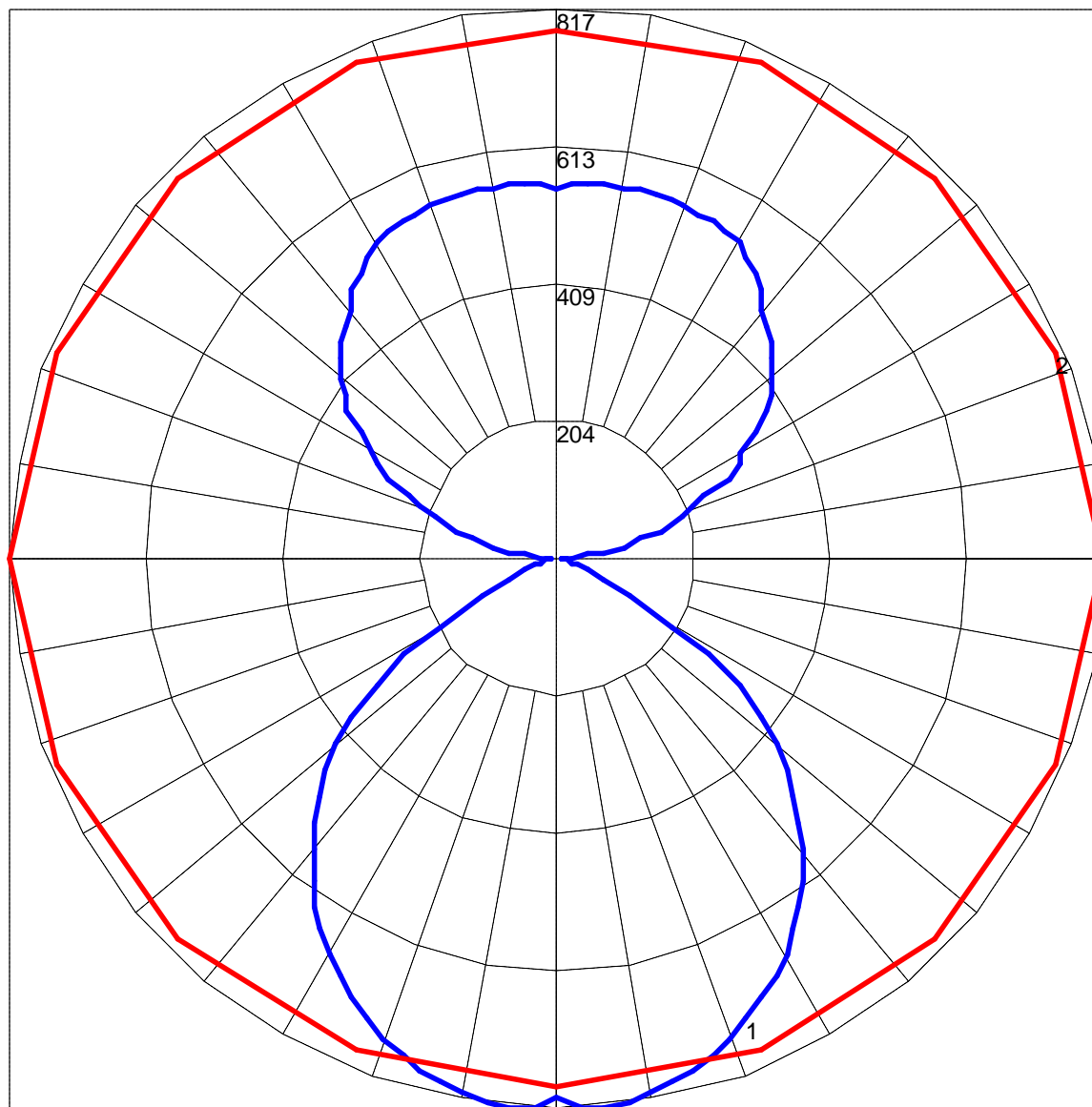
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	108	108	108	108	100	100	100	100	84	84	84	71	71	71	58	58	58	52
1	99	95	91	88	91	88	85	82	75	73	70	63	61	60	52	51	50	45
2	90	83	77	72	83	77	72	68	66	62	59	56	53	50	46	44	43	38
3	82	73	66	60	76	68	62	57	58	54	50	49	46	43	41	39	36	32
4	75	65	57	51	70	60	53	48	52	47	42	44	40	37	37	34	31	28
5	69	58	50	44	64	54	47	41	46	41	37	40	35	32	33	30	27	24
6	64	52	44	38	59	48	41	36	42	36	32	36	31	28	30	27	24	21
7	59	47	39	33	54	44	37	32	38	32	28	32	28	25	27	24	21	19
8	55	42	35	29	51	40	33	28	35	29	25	30	25	22	25	22	19	17
9	51	39	31	26	47	36	30	25	32	26	22	27	23	20	23	20	17	15
10	48	36	28	24	44	33	27	22	29	24	20	25	21	18	21	18	16	14

POLAR GRAPH



Maximum Candela = 817.344 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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