



IES INDOOR REPORT

PHOTOMETRIC FILENAME : LDI-4-LED-6040-PL-VHO-40.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TEST]

[TESTLAB]Dekko

[ISSUEDATE]06-19-2017

[TESTDATE]03/07/17

[MANUFAC]LSI INDUSTRIES, INC

[LUMCAT] LDI-4-LED-6040-PL-VHO-40

[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	4290
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	62
Total Luminaire Watts	69
Ballast Factor	1.00
CIE Type	Semi-Indirect
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	1759	1823	2176
55	1435	1683	2217
65	457	1283	2217
75	176	428	1733
85	326	521	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	539.352	539.352	539.352	539.352	539.352
2.5	552.024	543.312	540.144	535.392	533.016
5.0	551.232	543.312	538.560	534.600	531.432
7.5	549.648	540.936	536.184	530.640	528.264
10.0	544.896	536.184	530.640	525.888	522.720
12.5	539.352	529.848	524.304	520.344	518.760
15.0	532.224	521.928	516.384	515.592	514.800
17.5	523.512	512.424	507.672	511.632	511.632
20.0	514.008	502.128	498.960	506.088	509.256
22.5	502.920	490.248	488.664	501.336	505.296
25.0	491.832	477.576	479.160	494.208	502.128
27.5	478.368	464.112	468.864	487.872	497.376
30.0	463.320	449.856	456.192	479.160	491.832
32.5	447.480	434.016	443.520	469.656	485.496
35.0	430.848	417.384	429.264	458.568	477.576
37.5	411.840	398.376	414.216	446.688	468.072
40.0	392.040	379.368	397.584	432.432	456.984
42.5	370.656	358.776	379.368	416.592	444.312
45.0	346.896	336.600	359.568	399.168	429.264
47.5	323.136	312.840	338.976	380.952	412.632
50.0	294.624	288.288	316.800	360.360	394.416
52.5	265.320	259.776	293.832	338.976	374.616
55.0	229.680	229.680	269.280	316.008	354.816
57.5	189.288	195.624	243.144	293.040	331.848
60.0	140.976	157.608	215.424	268.488	309.672
62.5	90.288	114.840	184.536	242.352	284.328
65.0	53.856	74.448	151.272	216.216	261.360
67.5	34.848	47.520	112.464	189.288	237.600
70.0	23.760	33.264	75.240	156.816	213.048
72.5	17.424	25.344	45.936	114.840	178.992
75.0	12.672	19.800	30.888	71.280	125.136
77.5	10.296	17.424	22.968	38.808	70.488
80.0	9.504	14.256	17.424	24.552	46.728
82.5	9.504	12.672	14.256	18.216	28.512
85.0	7.920	11.088	12.672	14.256	18.216
87.5	7.128	11.088	12.672	12.672	13.464
90.0	7.128	9.504	10.296	14.256	8.712
92.5	29.304	36.432	38.808	30.096	26.136
95.0	64.152	84.744	115.632	217.800	152.856
97.5	101.376	116.424	186.120	196.416	192.456
100.0	148.104	156.024	209.880	244.728	251.064
102.5	194.832	194.040	227.304	247.104	267.696
105.0	238.392	229.680	260.568	277.992	274.032
107.5	282.744	256.608	281.952	304.920	308.880
110.0	332.640	300.168	316.800	327.888	340.560
112.5	373.032	327.888	335.808	349.272	365.112
115.0	417.384	369.864	369.072	378.576	391.248
117.5	464.904	403.128	406.296	410.256	419.760
120.0	502.920	425.304	437.976	439.560	448.272
122.5	529.056	467.280	461.736	467.280	473.616
125.0	574.200	503.712	487.080	490.248	498.960
127.5	617.760	539.352	513.216	512.424	521.928
130.0	651.024	576.576	536.184	536.976	544.104
132.5	678.744	613.800	564.696	562.320	566.280

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CANDELA TABULATION - (Cont.)

135.0	700.128	650.232	590.040	587.664	586.872
137.5	726.264	693.000	609.840	609.840	608.256
140.0	755.568	731.016	631.224	627.264	628.056
142.5	780.120	764.280	651.816	641.520	641.520
145.0	804.672	791.208	674.784	658.152	651.816
147.5	823.680	814.176	706.464	672.408	666.864
150.0	840.312	831.600	745.272	685.872	680.328
152.5	851.400	841.896	780.912	706.464	693.792
155.0	858.528	851.400	814.176	743.688	719.928
157.5	865.656	860.904	841.104	788.040	765.072
160.0	873.576	871.992	858.528	822.888	807.048
162.5	882.288	879.912	866.448	856.152	840.312
165.0	886.248	883.080	872.784	867.240	861.696
167.5	887.832	884.664	878.328	870.408	867.240
170.0	889.416	886.248	880.704	873.576	869.616
172.5	888.624	885.456	879.120	872.784	869.616
175.0	887.040	883.872	876.744	869.616	867.240
177.5	884.664	881.496	875.160	868.032	864.864
180.0	872.784	872.784	872.784	872.784	872.784

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	197.95	N.A.	4.60
0-30	422.55	N.A.	9.80
0-40	697.50	N.A.	16.30
0-60	1228.91	N.A.	28.60
0-80	1433.97	N.A.	33.40
0-90	1449.31	N.A.	33.80
10-90	1398.07	N.A.	32.60
20-40	499.55	N.A.	11.60
20-50	785.15	N.A.	18.30
40-70	681.98	N.A.	15.90
60-80	205.07	N.A.	4.80
70-80	54.50	N.A.	1.30
80-90	15.34	N.A.	0.40
90-110	389.06	N.A.	9.10
90-120	766.41	N.A.	17.90
90-130	1217.51	N.A.	28.40
90-150	2141.53	N.A.	49.90
90-180	2841.1	N.A.	66.20
110-180	2452.04	N.A.	57.20
0-180	4290.41	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	51.24
10-20	146.71
20-30	224.60
30-40	274.95
40-50	285.60
50-60	245.80
60-70	150.57
70-80	54.50
80-90	15.34
90-100	117.81
100-110	271.24
110-120	377.35
120-130	451.10
130-140	477.03
140-150	446.99
150-160	369.40
160-170	246.36
170-180	83.81

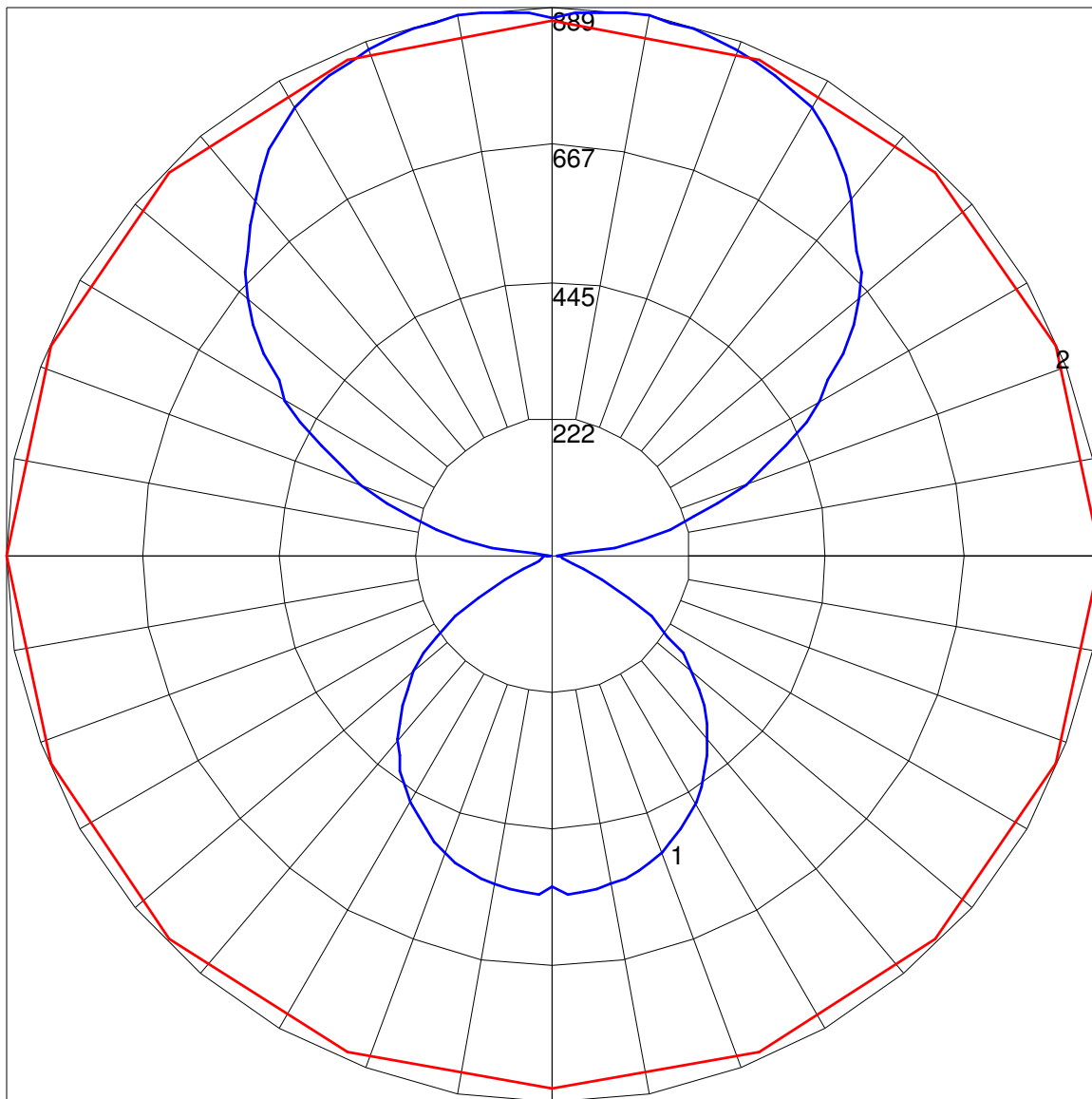
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	103	103	103	103	93	93	93	93	74	74	74	57	57	57	41	41	41	34
1	94	90	87	83	85	82	79	76	65	63	61	51	49	48	37	36	35	29
2	86	79	73	68	77	72	67	62	58	54	51	45	42	40	33	31	30	25
3	79	69	62	57	71	63	57	52	51	46	43	39	37	34	29	27	26	21
4	72	61	54	48	65	56	49	44	45	40	37	35	32	29	26	24	22	18
5	66	55	47	41	59	50	43	38	40	35	31	31	28	25	23	21	19	16
6	61	49	41	35	54	44	38	33	36	31	27	28	25	22	21	19	17	14
7	56	44	36	31	50	40	33	29	33	28	24	26	22	19	19	17	15	12
8	52	40	32	27	47	36	30	25	30	25	21	23	20	17	18	15	13	11
9	48	36	29	24	43	33	27	22	27	22	19	21	18	15	16	14	12	10
10	45	33	26	21	40	30	24	20	25	20	17	20	16	14	15	13	11	9

POLAR GRAPH



Maximum Candela = 889.416 Located At Horizontal Angle = 0, Vertical Angle = 170
1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (170) (Through Max. Cd.)