



IES INDOOR REPORT
PHOTOMETRIC FILENAME : LDI-4-LED-2080-PL-VHO-35.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST]
[TESTLAB]Dekko
[ISSUE DATE]06-19-2017
[TEST DATE]3/7/17
[MANUFACTURER]LSI INDUSTRIES, INC
[LUMCAT] LDI-4-LED-2080-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	3706
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	54
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	3340	3344	3846
55	2727	3004	3791
65	860	2143	3688
75	296	614	2589
85	228	391	912

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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	1048.608	1048.608	1048.608	1048.608	1048.608
2.5	1073.160	1056.528	1048.608	1039.896	1032.768
5.0	1071.576	1054.152	1045.440	1035.144	1028.808
7.5	1067.616	1049.400	1039.104	1029.600	1023.264
10.0	1059.696	1039.896	1031.184	1022.472	1016.136
12.5	1047.816	1026.432	1019.304	1011.384	1005.048
15.0	1031.184	1010.592	1003.464	997.920	994.752
17.5	1013.760	993.168	984.456	985.248	983.664
20.0	994.752	972.576	964.656	970.992	971.784
22.5	973.368	950.400	942.480	955.152	959.112
25.0	949.608	925.848	919.512	937.728	945.648
27.5	921.888	898.128	894.960	917.928	929.808
30.0	893.376	868.032	868.032	896.544	911.592
32.5	860.904	834.768	839.520	871.992	892.584
35.0	826.056	799.920	807.840	845.064	871.200
37.5	788.832	762.696	772.992	816.552	846.648
40.0	746.856	722.304	737.352	785.664	819.720
42.5	703.296	677.952	700.128	752.400	790.416
45.0	658.944	632.808	659.736	715.176	758.736
47.5	609.048	587.664	617.760	676.368	723.888
50.0	557.568	539.352	573.408	636.768	687.456
52.5	501.336	487.080	528.264	594.000	647.856
55.0	436.392	430.056	480.744	549.648	606.672
57.5	361.152	365.904	430.056	502.920	563.904
60.0	272.448	291.456	375.408	456.984	521.928
62.5	171.072	210.672	317.592	411.048	479.160
65.0	101.376	129.888	252.648	361.944	434.808
67.5	63.360	79.200	184.536	306.504	390.456
70.0	42.768	52.272	123.552	245.520	337.392
72.5	30.096	36.432	76.032	180.576	254.232
75.0	21.384	26.136	44.352	120.384	186.912
77.5	15.048	19.008	27.720	73.656	133.848
80.0	11.088	14.256	18.216	35.640	72.072
82.5	7.920	10.296	13.464	20.592	41.976
85.0	5.544	7.128	9.504	12.672	22.176
87.5	3.960	6.336	7.920	7.920	12.672
90.0	6.336	19.800	30.096	19.008	12.672
92.5	18.216	50.688	61.776	50.688	49.104
95.0	30.096	64.944	125.136	198.792	178.200
97.5	41.184	86.328	139.392	137.808	122.760
100.0	51.480	96.624	134.640	142.560	150.480
102.5	63.360	100.584	141.768	141.768	138.600
105.0	76.032	105.336	145.728	148.104	140.976
107.5	87.912	109.296	141.768	140.184	155.232
110.0	98.208	118.800	154.440	165.528	170.280
112.5	113.256	124.344	147.312	182.952	186.912
115.0	121.968	132.264	154.440	196.416	198.792
117.5	136.224	140.976	172.656	169.488	194.832
120.0	144.936	152.064	159.192	172.656	194.040
122.5	158.400	159.984	163.944	185.328	198.000
125.0	165.528	175.032	174.240	192.456	201.960
127.5	181.368	168.696	194.832	193.248	205.920
130.0	187.704	180.576	209.088	198.000	209.088
132.5	188.496	184.536	212.256	208.296	211.464

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CANDELA TABULATION - (Cont.)

135.0	194.040	202.752	207.504	219.384	214.632
137.5	209.088	213.048	205.920	228.096	217.800
140.0	218.592	227.304	207.504	232.848	220.176
142.5	236.016	237.600	211.464	234.432	222.552
145.0	242.352	231.264	218.592	233.640	224.928
147.5	235.224	225.720	226.512	231.264	227.304
150.0	230.472	226.512	233.640	229.680	231.264
152.5	232.848	234.432	239.976	232.848	235.224
155.0	240.768	242.352	245.520	236.016	236.016
157.5	245.520	247.104	250.272	239.184	239.184
160.0	252.648	251.856	251.856	244.728	241.560
162.5	258.192	256.608	253.440	247.896	245.520
165.0	261.360	258.192	254.232	248.688	247.896
167.5	262.152	258.192	253.440	249.480	247.896
170.0	260.568	255.816	252.648	249.480	247.896
172.5	257.400	253.440	251.064	248.688	247.104
175.0	255.816	252.648	251.064	247.896	246.312
177.5	254.232	251.064	249.480	247.104	244.728
180.0	248.688	248.688	248.688	248.688	248.688

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	383.49	N.A.	10.30
0-30	813.18	N.A.	21.90
0-40	1328.97	N.A.	35.90
0-60	2291.73	N.A.	61.80
0-80	2631.66	N.A.	71.00
0-90	2647.81	N.A.	71.40
10-90	2548.36	N.A.	68.80
20-40	945.48	N.A.	25.50
20-50	1468.56	N.A.	39.60
40-70	1218.17	N.A.	32.90
60-80	339.93	N.A.	9.20
70-80	84.52	N.A.	2.30
80-90	16.14	N.A.	0.40
90-110	230.26	N.A.	6.20
90-120	385.85	N.A.	10.40
90-130	547.24	N.A.	14.80
90-150	851.62	N.A.	23.00
90-180	1058.07	N.A.	28.60
110-180	827.81	N.A.	22.30
0-180	3705.88	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	99.45
10-20	284.04
20-30	429.70
30-40	515.79
40-50	523.07
50-60	439.69
60-70	255.41
70-80	84.52
80-90	16.14
90-100	96.15
100-110	134.11
110-120	155.59
120-130	161.38
130-140	161.20
140-150	143.18
150-160	110.85
160-170	71.62
170-180	23.98

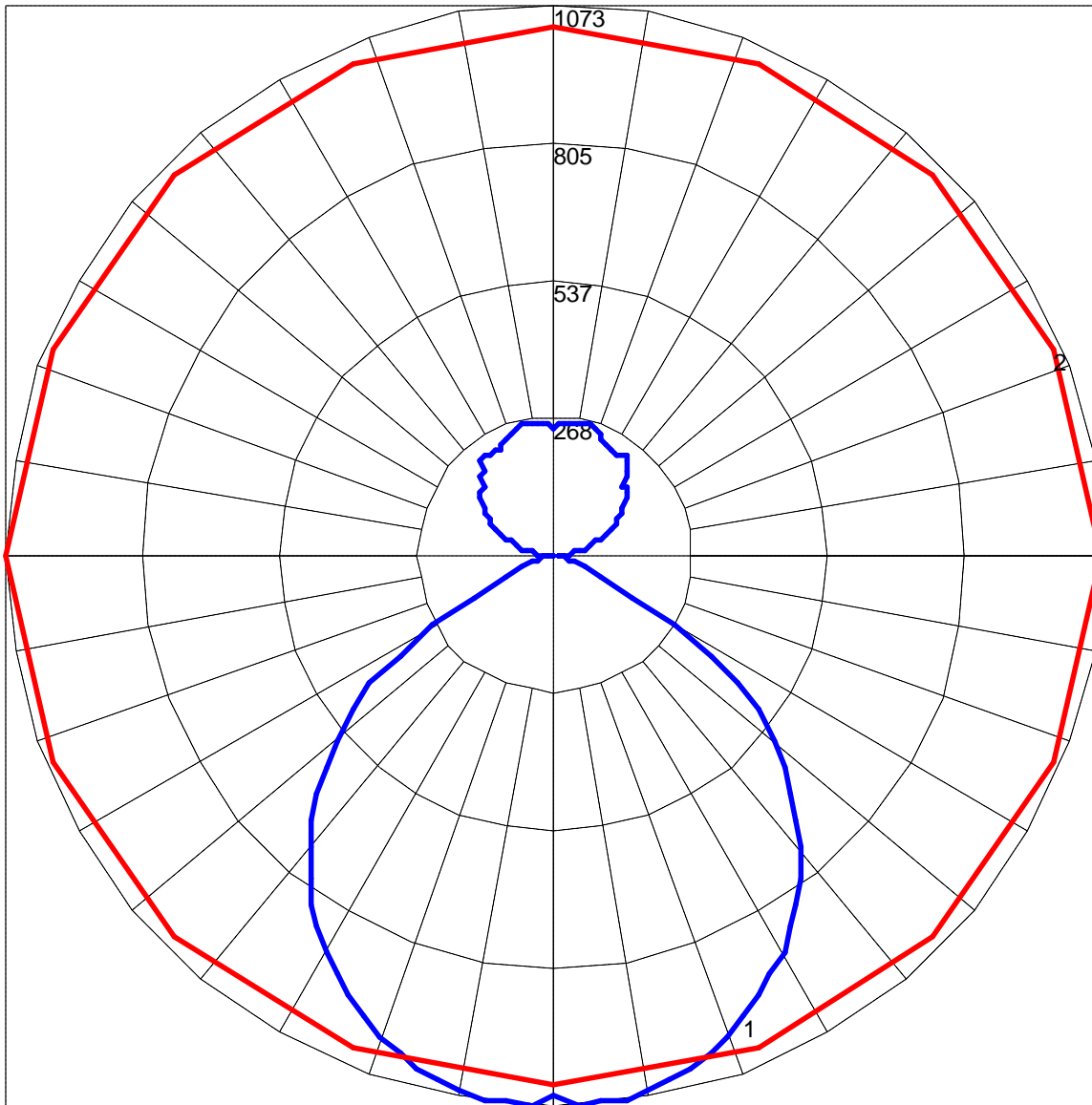
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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 = 1073.16 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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