



IES INDOOR REPORT

PHOTOMETRIC FILENAME : LDI-4-LED-2080-PB-VHO-40.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST]LDI LED 4 PB VHO NW S UE 20 80
[TESTLAB]Dekko.
[TESTDATE] 03-20-2017
[ISSUE DATE]06-19-2017
[MANUFACTURER]LSI INDUSTRIES, INC
[_SEARCH_SOURCETYPE] LED
[_SEARCH_APPLICATION] Outdoor
[OTHER]TEST PROCEDURE: IESNA LM-79-08
[_ABSOLUTE]NOTE: DATA SHOWN IS ABSOLUTE FOR THE SAMPLE PROVIDED
[LUMCAT] LDI-4-LED-2080-PB-VHO-40

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	5808
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	81
Total Luminaire Watts	71.3
Ballast Factor	1.00
CIE Type	Semi-Direct
Spacing Criterion (0-180)	1.22
Spacing Criterion (90-270)	1.04
Spacing Criterion (Diagonal)	1.20
Basic Luminous Shape	Rectangular
Luminous Length (0-180)	4.00 ft
Luminous Width (90-270)	0.50 ft
Luminous Height	0.00 ft

LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	9803	7595	6837
55	9084	6244	5294
65	7548	4810	4054
75	5022	3747	3371
85	3643	4192	2852

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CANDELA TABULATION

	<u>0</u>	<u>10</u>	<u>20</u>	<u>30</u>	<u>40</u>	<u>50</u>	<u>60</u>	<u>70</u>	<u>80</u>	<u>90</u>
0	2067.322	2067.322	2067.322	2067.322	2067.322	2067.322	2067.322	2067.322	2067.322	2067.322
10	1988.742	1979.342	1971.894	1961.460	1950.118	1941.462	1933.941	1929.933	1929.406	1930.037
20	1853.450	1838.089	1814.000	1778.795	1745.037	1718.633	1698.459	1690.783	1690.288	1694.099
30	1678.739	1656.539	1613.494	1552.940	1495.629	1447.419	1412.080	1397.701	1396.637	1403.485
40	1438.225	1407.576	1347.900	1265.756	1195.078	1135.236	1089.515	1069.238	1066.232	1073.979
50	1140.153	1098.317	1035.696	945.681	866.821	798.127	750.444	724.092	717.016	724.309
60	797.796	763.046	703.814	616.742	530.621	468.910	419.935	406.052	404.058	405.153
70	388.759	374.432	359.184	309.466	264.179	248.519	242.125	236.020	233.086	232.074
80	94.664	96.482	105.562	105.779	105.035	103.672	101.327	98.176	94.912	92.453
90	23.428	30.752	35.298	38.221	36.258	26.837	19.679	10.939	2.975	0.000
100	114.239	122.648	112.535	100.149	88.146	77.196	66.391	56.681	47.063	41.537
110	263.177	262.516	254.676	237.869	213.686	189.204	164.702	140.002	114.663	103.744
120	309.435	325.281	313.774	308.598	274.065	259.438	231.010	196.342	171.643	162.667
130	333.721	359.970	341.654	325.281	321.284	295.066	257.558	228.448	212.643	209.864
140	332.988	349.609	361.550	329.341	299.188	304.280	295.459	279.685	270.935	266.772
150	318.753	330.519	336.954	342.832	325.664	298.537	281.751	275.511	275.387	276.741
160	297.855	301.285	308.753	311.852	316.253	322.616	321.883	319.817	318.949	319.445
170	291.079	291.730	294.663	298.837	302.029	303.867	305.365	306.305	306.429	305.789
180	288.930	288.930	288.930	288.930	288.930	288.930	288.930	288.930	288.930	288.930

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	716.26	N.A.	12.30
0-30	1468.71	N.A.	25.30
0-40	2318.39	N.A.	39.90
0-60	3760.14	N.A.	64.70
0-80	4377.94	N.A.	75.40
0-90	4445.65	N.A.	76.50
10-90	4253.88	N.A.	73.20
20-40	1602.13	N.A.	27.60
20-50	2406.74	N.A.	41.40
40-70	1854.9	N.A.	31.90
60-80	617.80	N.A.	10.60
70-80	204.64	N.A.	3.50
80-90	67.72	N.A.	1.20
90-110	205.76	N.A.	3.50
90-120	430.59	N.A.	7.40
90-130	676.31	N.A.	11.60
90-150	1102.66	N.A.	19.00
90-180	1361.89	N.A.	23.50
110-180	1156.13	N.A.	19.90
0-180	5807.54	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	191.77
10-20	524.49
20-30	752.45
30-40	849.68
40-50	804.61
50-60	637.14
60-70	413.15
70-80	204.64
80-90	67.72
90-100	58.27
100-110	147.49
110-120	224.83
120-130	245.72
130-140	232.49
140-150	193.86
150-160	143.87
160-170	87.21
170-180	28.15

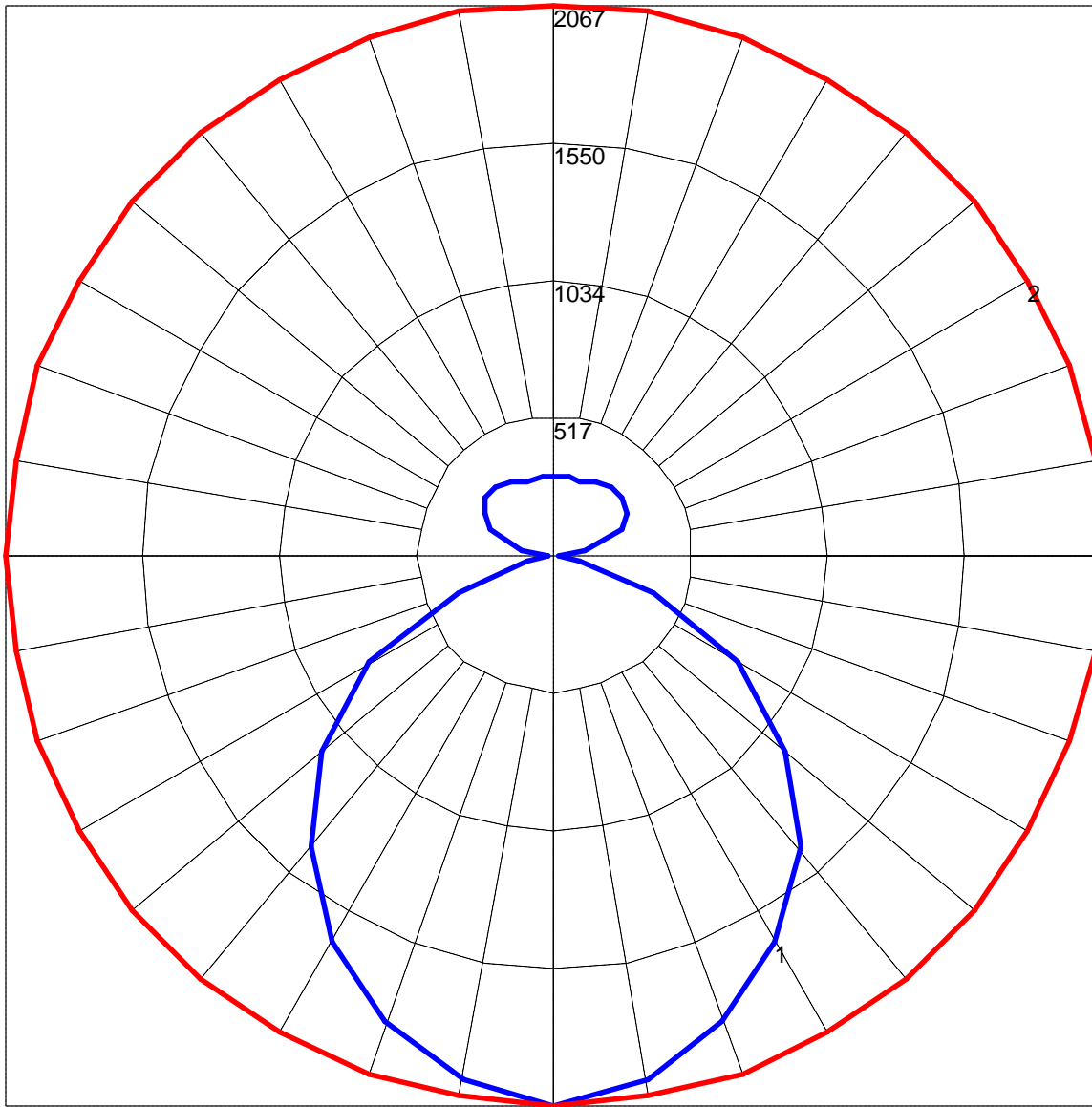
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	113	113	113	113	108	108	108	108	98	98	98	89	89	89	80	80	80	77
1	104	100	96	93	99	96	92	89	87	84	82	79	77	75	72	71	69	66
2	96	88	82	77	91	84	79	74	77	73	69	70	67	64	64	62	59	56
3	88	78	71	65	83	75	68	63	69	63	59	63	58	55	57	54	51	48
4	80	70	62	56	76	67	59	54	61	55	51	56	52	48	52	48	45	42
5	74	62	54	48	71	60	52	47	55	49	44	51	46	42	47	43	39	37
6	69	56	48	42	65	54	47	41	50	44	39	46	41	37	43	38	35	32
7	64	51	43	38	61	49	42	37	46	39	35	42	37	33	39	35	31	29
8	59	47	39	34	57	45	38	33	42	36	31	39	34	30	36	32	28	26
9	56	43	35	30	53	42	34	30	39	33	28	36	31	27	34	29	26	24
10	52	40	32	27	50	38	31	27	36	30	26	33	28	25	31	27	23	22

POLAR GRAPH



Maximum Candela = 2067.322 Located At Horizontal Angle = 0, Vertical Angle = 0
1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (0) (Through Max. Cd.)

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