



IES INDOOR REPORT
PHOTOMETRIC FILENAME : LDI-4-LED-2080-PB-HO-40.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST]LDI LED 4 PB HO NW S UE 20 80
[TESTLAB]Dekko.
[TESTDATE] 03-20-2017
[ISSUEDATE]06-19-2017
[MANUFAC]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-HO-40

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	4992
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	100
Total Luminaire Watts	50.1
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	8427	6529	5877
55	7808	5368	4551
65	6489	4135	3485
75	4317	3221	2898
85	3131	3604	2452

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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	1777.137	1777.137	1777.137	1777.137	1777.137	1777.137	1777.137	1777.137	1777.137	1777.137
10	1709.587	1701.506	1695.103	1686.134	1676.384	1668.943	1662.478	1659.033	1658.580	1659.121
20	1593.285	1580.081	1559.372	1529.109	1500.090	1477.392	1460.050	1453.452	1453.026	1456.302
30	1443.098	1424.015	1387.012	1334.957	1285.691	1244.248	1213.869	1201.508	1200.594	1206.481
40	1236.345	1209.998	1158.698	1088.084	1027.327	975.885	936.582	919.151	916.567	923.227
50	980.112	944.148	890.318	812.937	745.147	686.095	645.105	622.452	616.370	622.639
60	685.811	655.939	605.021	530.172	456.139	403.090	360.990	349.055	347.341	348.282
70	334.190	321.873	308.766	266.027	227.097	213.635	208.138	202.890	200.368	199.498
80	81.376	82.939	90.745	90.931	90.292	89.120	87.104	84.396	81.589	79.476
90	20.140	26.436	30.343	32.856	31.169	23.070	16.916	9.404	2.557	0.000
100	98.204	105.432	96.739	86.092	75.773	66.360	57.072	48.725	40.457	35.706
110	226.236	225.667	218.928	204.480	183.692	162.646	141.583	120.351	98.568	89.182
120	266.000	279.622	269.730	265.281	235.595	223.021	198.583	168.782	147.550	139.833
130	286.877	309.441	293.697	279.622	276.186	253.648	221.405	196.381	182.795	180.406
140	286.247	300.535	310.800	283.112	257.191	261.569	253.986	240.426	232.905	229.326
150	274.010	284.124	289.657	294.709	279.951	256.632	242.202	236.838	236.732	237.895
160	256.046	258.994	265.414	268.078	271.861	277.331	276.701	274.925	274.179	274.605
170	250.221	250.780	253.302	256.890	259.633	261.214	262.502	263.310	263.416	262.866
180	248.374	248.374	248.374	248.374	248.374	248.374	248.374	248.374	248.374	248.374

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	615.72	N.A.	12.30
0-30	1262.55	N.A.	25.30
0-40	1992.97	N.A.	39.90
0-60	3232.34	N.A.	64.70
0-80	3763.41	N.A.	75.40
0-90	3821.63	N.A.	76.50
10-90	3656.77	N.A.	73.20
20-40	1377.24	N.A.	27.60
20-50	2068.91	N.A.	41.40
40-70	1594.53	N.A.	31.90
60-80	531.08	N.A.	10.60
70-80	175.92	N.A.	3.50
80-90	58.21	N.A.	1.20
90-110	176.88	N.A.	3.50
90-120	370.15	N.A.	7.40
90-130	581.37	N.A.	11.60
90-150	947.88	N.A.	19.00
90-180	1170.72	N.A.	23.50
110-180	993.84	N.A.	19.90
0-180	4992.35	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	164.86
10-20	450.87
20-30	646.83
30-40	730.41
40-50	691.67
50-60	547.70
60-70	355.16
70-80	175.92
80-90	58.21
90-100	50.09
100-110	126.79
110-120	193.27
120-130	211.23
130-140	199.86
140-150	166.65
150-160	123.68
160-170	74.97
170-180	24.20

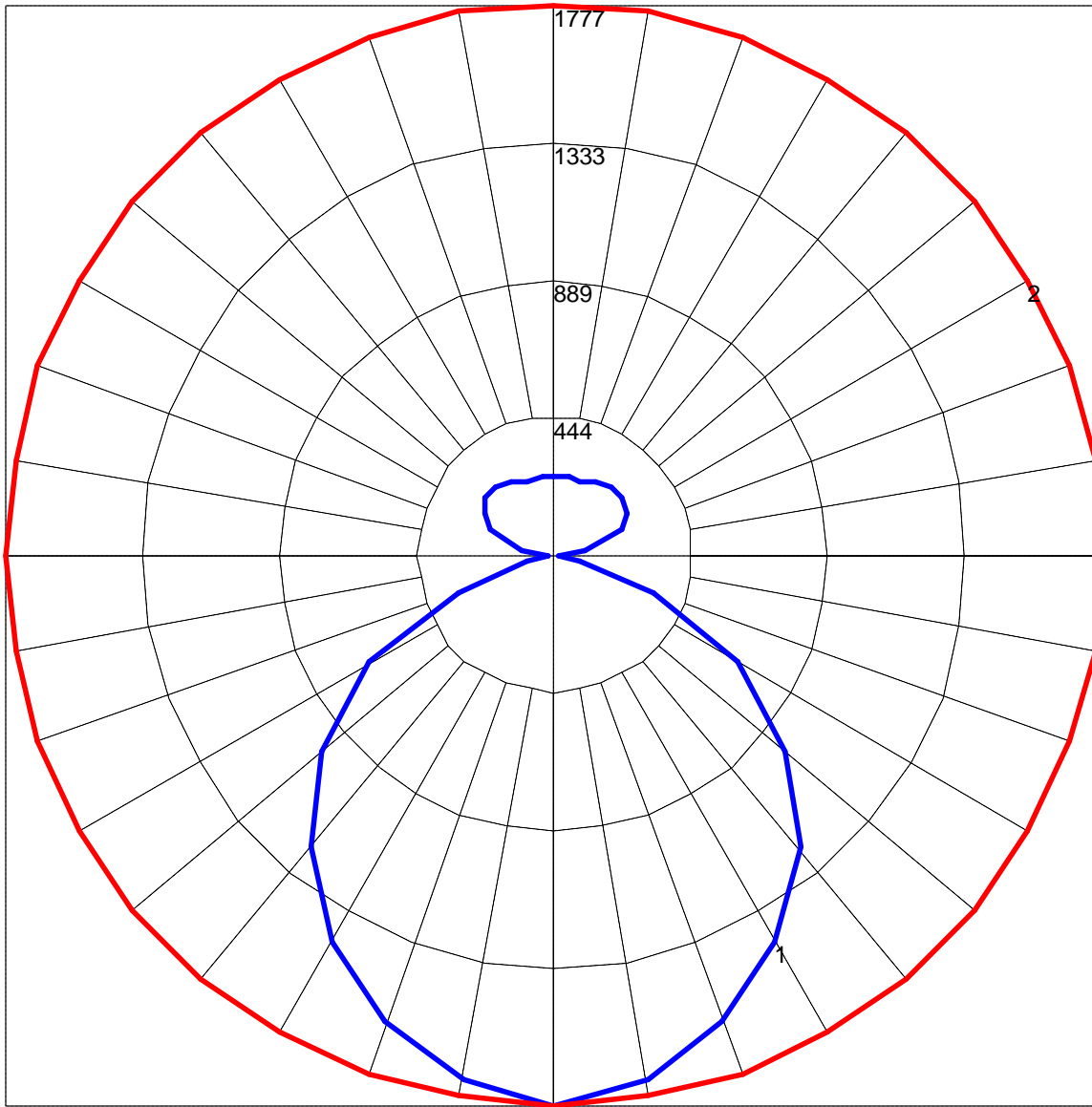
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	81	81	81	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	81	70	62	56	77	67	60	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 = 1777.137 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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