



IES INDOOR REPORT
PHOTOMETRIC FILENAME : LDI-4-LED-2080-PB-HO-35.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST]LDI LED 4 PB HO WW 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-35

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	4835
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	97
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	8161	6323	5692
55	7562	5199	4407
65	6284	4004	3375
75	4181	3119	2806
85	3033	3490	2374

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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	1721.101	1721.101	1721.101	1721.101	1721.101	1721.101	1721.101	1721.101	1721.101	1721.101
10	1655.681	1647.855	1641.654	1632.968	1623.525	1616.318	1610.058	1606.721	1606.282	1606.807
20	1543.046	1530.258	1510.203	1480.894	1452.789	1430.808	1414.012	1407.622	1407.209	1410.383
30	1397.595	1379.113	1343.277	1292.864	1245.151	1205.015	1175.594	1163.623	1162.737	1168.439
40	1197.361	1171.845	1122.162	1053.775	994.934	945.114	907.051	890.169	887.666	894.116
50	949.208	914.378	862.245	787.304	721.652	664.462	624.764	602.826	596.935	603.006
60	664.187	635.256	585.944	513.454	441.756	390.380	349.607	338.049	336.389	337.301
70	323.652	311.724	299.031	257.639	219.936	206.899	201.575	196.493	194.050	193.208
80	78.810	80.324	87.883	88.064	87.445	86.310	84.357	81.734	79.017	76.970
90	19.505	25.602	29.386	31.820	30.186	22.343	16.383	9.107	2.477	0.000
100	95.107	102.108	93.688	83.377	73.384	64.268	55.272	47.188	39.182	34.581
110	219.102	218.552	212.024	198.032	177.900	157.518	137.118	116.556	95.460	86.370
120	257.613	270.805	261.225	256.916	228.167	215.989	192.322	163.460	142.898	135.424
130	277.832	299.684	284.436	270.805	267.477	245.650	214.424	190.189	177.031	174.718
140	277.221	291.058	301.000	274.185	249.082	253.322	245.977	232.845	225.561	222.095
150	265.370	275.166	280.523	285.417	271.124	248.540	234.565	229.371	229.267	230.394
160	247.972	250.828	257.045	259.625	263.289	268.587	267.976	266.256	265.534	265.946
170	242.331	242.873	245.315	248.789	251.447	252.978	254.225	255.007	255.110	254.577
180	240.542	240.542	240.542	240.542	240.542	240.542	240.542	240.542	240.542	240.542

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	596.31	N.A.	12.30
0-30	1222.74	N.A.	25.30
0-40	1930.12	N.A.	39.90
0-60	3130.42	N.A.	64.70
0-80	3644.75	N.A.	75.40
0-90	3701.12	N.A.	76.50
10-90	3541.47	N.A.	73.20
20-40	1333.81	N.A.	27.60
20-50	2003.67	N.A.	41.40
40-70	1544.25	N.A.	31.90
60-80	514.33	N.A.	10.60
70-80	170.37	N.A.	3.50
80-90	56.38	N.A.	1.20
90-110	171.30	N.A.	3.50
90-120	358.48	N.A.	7.40
90-130	563.04	N.A.	11.60
90-150	917.99	N.A.	19.00
90-180	1133.81	N.A.	23.50
110-180	962.51	N.A.	19.90
0-180	4834.93	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	159.66
10-20	436.65
20-30	626.43
30-40	707.38
40-50	669.86
50-60	530.43
60-70	343.96
70-80	170.37
80-90	56.38
90-100	48.51
100-110	122.79
110-120	187.17
120-130	204.57
130-140	193.55
140-150	161.40
150-160	119.78
160-170	72.60
170-180	23.43

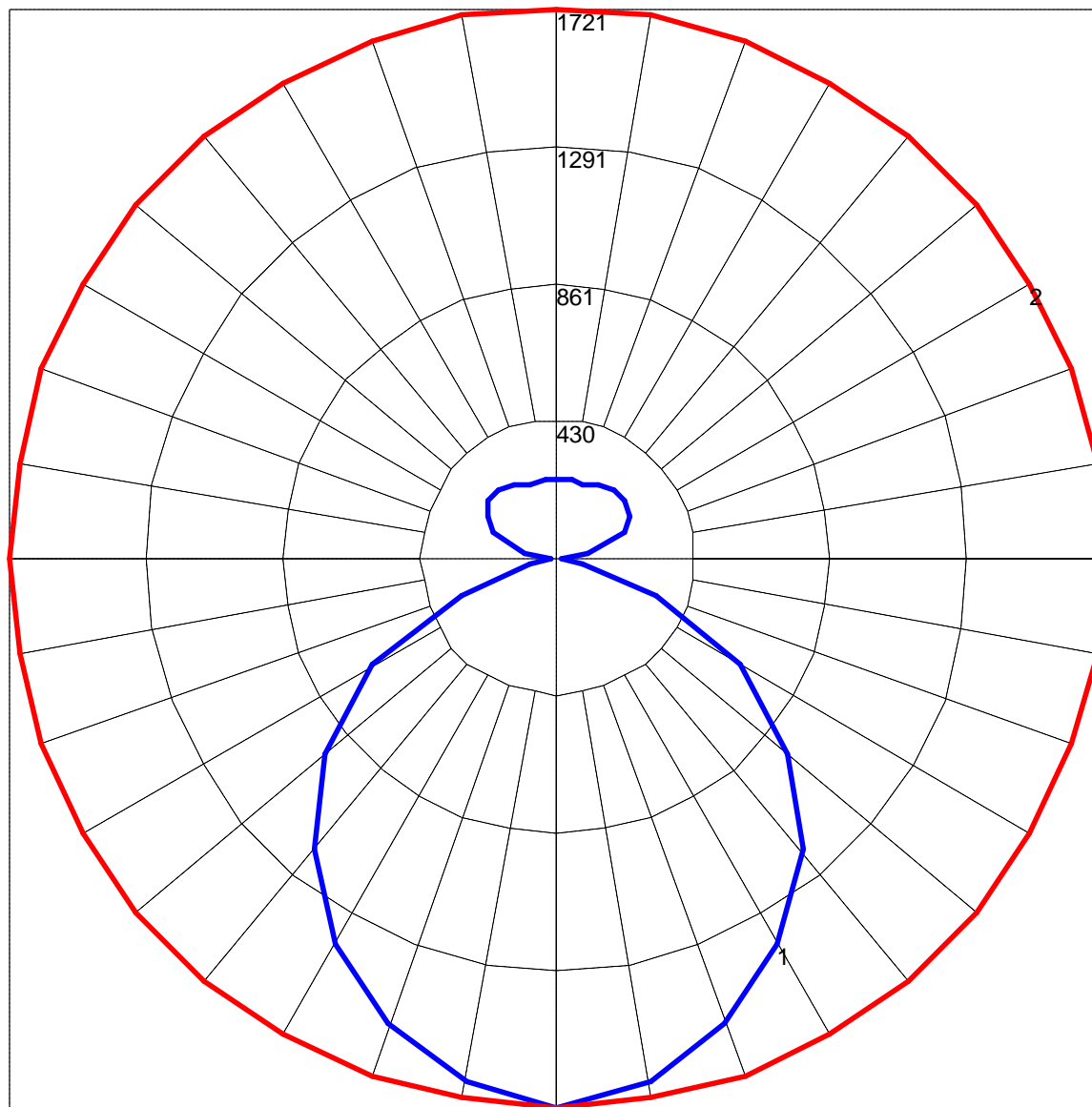
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	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 = 1721.101 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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