



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

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST]LDI LED 4 PB SS 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-SS-40

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	4295
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	113
Total Luminaire Watts	38
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	7250	5617	5057
55	6718	4618	3915
65	5583	3557	2998
75	3714	2771	2493
85	2694	3100	2109

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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	1528.978	1528.978	1528.978	1528.978	1528.978	1528.978	1528.978	1528.978	1528.978	1528.978
10	1470.860	1463.908	1458.400	1450.683	1442.294	1435.892	1430.330	1427.366	1426.976	1427.442
20	1370.799	1359.439	1341.622	1315.585	1290.618	1271.090	1256.169	1250.492	1250.126	1252.945
30	1241.584	1225.166	1193.330	1148.544	1106.157	1070.502	1044.365	1033.730	1032.943	1038.009
40	1063.702	1041.034	996.898	936.144	883.872	839.613	805.798	790.801	788.578	794.308
50	843.250	812.308	765.994	699.419	641.095	590.289	555.023	535.533	530.300	535.694
60	590.045	564.344	520.536	456.139	392.444	346.803	310.581	300.313	298.839	299.648
70	287.524	276.927	265.650	228.879	195.385	183.803	179.074	174.559	172.389	171.640
80	70.013	71.358	78.073	78.234	77.684	76.675	74.941	72.611	70.196	68.378
90	17.328	22.744	26.106	28.268	26.816	19.849	14.554	8.091	2.200	0.000
100	84.491	90.710	83.230	74.070	65.192	57.094	49.102	41.921	34.808	30.720
110	194.644	194.155	188.357	175.926	158.041	139.934	121.812	103.545	84.804	76.729
120	228.856	240.576	232.065	228.237	202.697	191.879	170.853	145.213	126.946	120.307
130	246.818	266.231	252.685	240.576	237.619	218.229	190.488	168.959	157.269	155.214
140	246.275	258.568	267.400	243.578	221.277	225.044	218.519	206.853	200.382	197.303
150	235.747	244.449	249.209	253.556	240.859	220.796	208.381	203.766	203.675	204.676
160	220.292	222.828	228.352	230.644	233.899	238.605	238.062	236.534	235.893	236.259
170	215.280	215.761	217.931	221.018	223.378	224.738	225.846	226.541	226.633	226.159
180	213.691	213.691	213.691	213.691	213.691	213.691	213.691	213.691	213.691	213.691

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	529.74	N.A.	12.30
0-30	1086.25	N.A.	25.30
0-40	1714.67	N.A.	39.90
0-60	2780.97	N.A.	64.70
0-80	3237.89	N.A.	75.40
0-90	3287.98	N.A.	76.50
10-90	3146.14	N.A.	73.20
20-40	1184.92	N.A.	27.60
20-50	1780.01	N.A.	41.40
40-70	1371.87	N.A.	31.90
60-80	456.92	N.A.	10.60
70-80	151.35	N.A.	3.50
80-90	50.08	N.A.	1.20
90-110	152.18	N.A.	3.50
90-120	318.46	N.A.	7.40
90-130	500.19	N.A.	11.60
90-150	815.52	N.A.	19.00
90-180	1007.24	N.A.	23.50
110-180	855.06	N.A.	19.90
0-180	4295.22	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	141.84
10-20	387.91
20-30	556.51
30-40	628.42
40-50	595.08
50-60	471.22
60-70	305.57
70-80	151.35
80-90	50.08
90-100	43.10
100-110	109.08
110-120	166.28
120-130	181.73
130-140	171.95
140-150	143.38
150-160	106.41
160-170	64.50
170-180	20.82

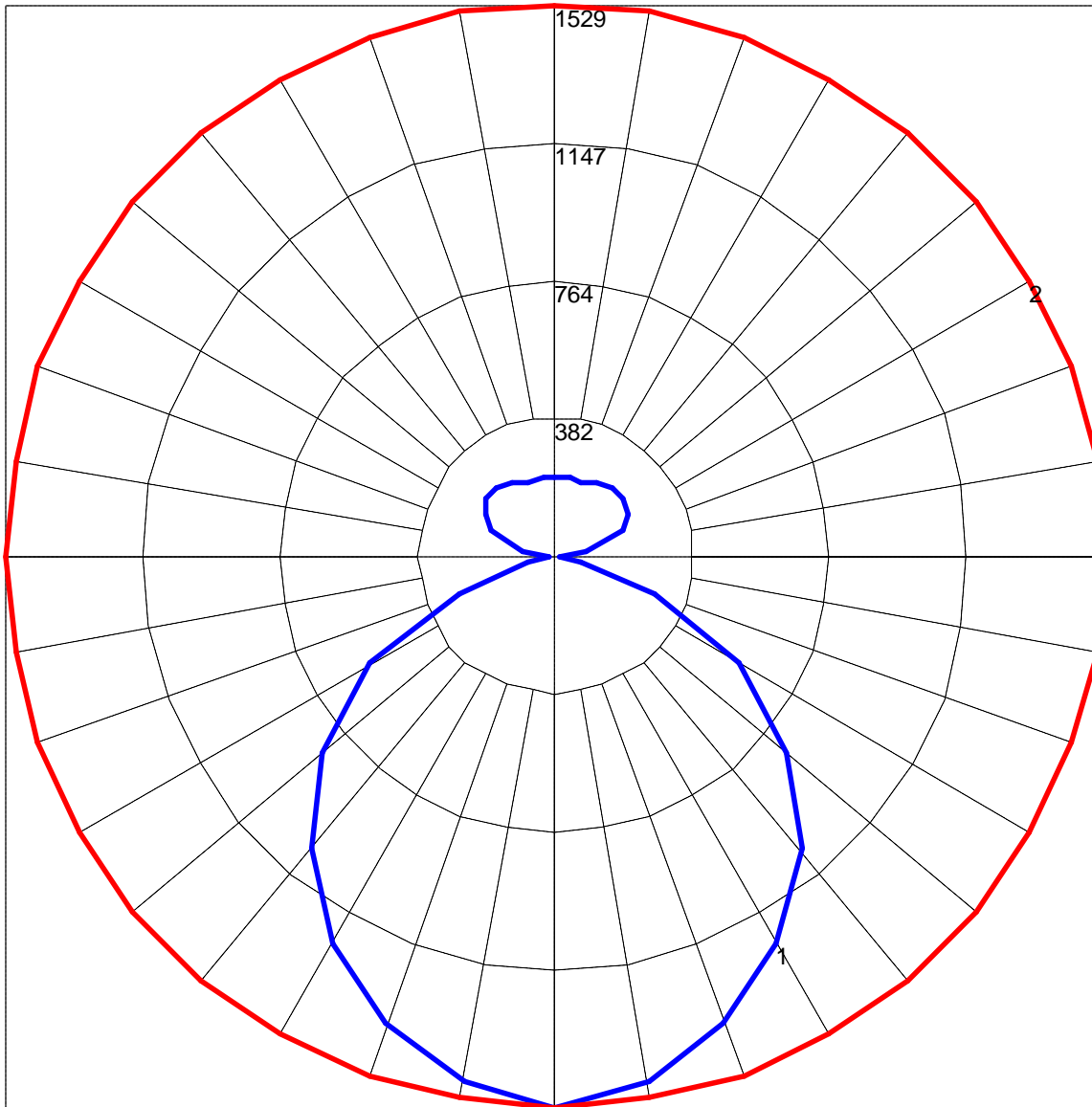
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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 = 1528.978 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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