



IES INDOOR REPORT

PHOTOMETRIC FILENAME : LDI-4-LED-2080-FB-HO-30.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[ABSOLUTE]LUMENS] 5605.59344205844
[TEST]LDI LED 4 FB HO SW S UE 20 80
[TESTLAB]Dekko.
[TESTDATE] 03-17-2017
[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-FB-HO-30

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	4531
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	90
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	7649	5926	5335
55	7087	4872	4131
65	5889	3753	3163
75	3918	2923	2630
85	2842	3271	2225

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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	1613.032	1613.032	1613.032	1613.032	1613.032	1613.032	1613.032	1613.032	1613.032	1613.032
10	1551.719	1544.385	1538.573	1530.433	1521.583	1514.829	1508.961	1505.834	1505.423	1505.914
20	1446.157	1434.172	1415.376	1387.908	1361.568	1340.966	1325.225	1319.237	1318.850	1321.824
30	1309.839	1292.518	1258.932	1211.684	1166.967	1129.351	1101.778	1090.558	1089.728	1095.072
40	1122.178	1098.264	1051.701	987.608	932.461	885.770	850.096	834.274	831.929	837.974
50	889.606	856.963	808.104	737.869	676.339	622.740	585.535	564.974	559.453	565.143
60	622.482	595.368	549.152	481.214	414.018	365.868	327.655	316.822	315.267	316.121
70	303.330	292.151	280.254	241.461	206.126	193.907	188.918	184.155	181.866	181.076
80	73.862	75.280	82.365	82.534	81.954	80.890	79.061	76.602	74.055	72.137
90	18.280	23.995	27.541	29.822	28.291	20.940	15.354	8.536	2.321	0.000
100	89.136	95.696	87.806	78.142	68.776	60.232	51.802	44.225	36.721	32.409
110	205.345	204.829	198.711	185.598	166.729	147.627	128.509	109.237	89.466	80.947
120	241.437	253.801	244.822	240.784	213.840	202.427	180.246	153.196	133.925	126.921
130	260.386	280.867	266.576	253.801	250.682	230.226	200.960	178.247	165.915	163.747
140	259.814	272.783	282.100	256.969	233.442	237.415	230.532	218.224	211.398	208.149
150	248.707	257.888	262.909	267.495	254.100	232.934	219.836	214.968	214.872	215.927
160	232.402	235.078	240.905	243.323	246.757	251.722	251.150	249.538	248.861	249.247
170	227.115	227.622	229.911	233.168	235.658	237.093	238.262	238.995	239.092	238.592
180	225.438	225.438	225.438	225.438	225.438	225.438	225.438	225.438	225.438	225.438

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	558.87	N.A.	12.30
0-30	1145.97	N.A.	25.30
0-40	1808.93	N.A.	39.90
0-60	2933.85	N.A.	64.70
0-80	3415.89	N.A.	75.40
0-90	3468.73	N.A.	76.50
10-90	3319.1	N.A.	73.20
20-40	1250.06	N.A.	27.60
20-50	1877.86	N.A.	41.40
40-70	1447.29	N.A.	31.90
60-80	482.04	N.A.	10.60
70-80	159.67	N.A.	3.50
80-90	52.84	N.A.	1.20
90-110	160.55	N.A.	3.50
90-120	335.97	N.A.	7.40
90-130	527.69	N.A.	11.60
90-150	860.35	N.A.	19.00
90-180	1062.62	N.A.	23.50
110-180	902.07	N.A.	19.90
0-180	4531.35	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	149.63
10-20	409.23
20-30	587.10
30-40	662.96
40-50	627.80
50-60	497.13
60-70	322.36
70-80	159.67
80-90	52.84
90-100	45.47
100-110	115.08
110-120	175.42
120-130	191.72
130-140	181.40
140-150	151.26
150-160	112.26
160-170	68.04
170-180	21.96

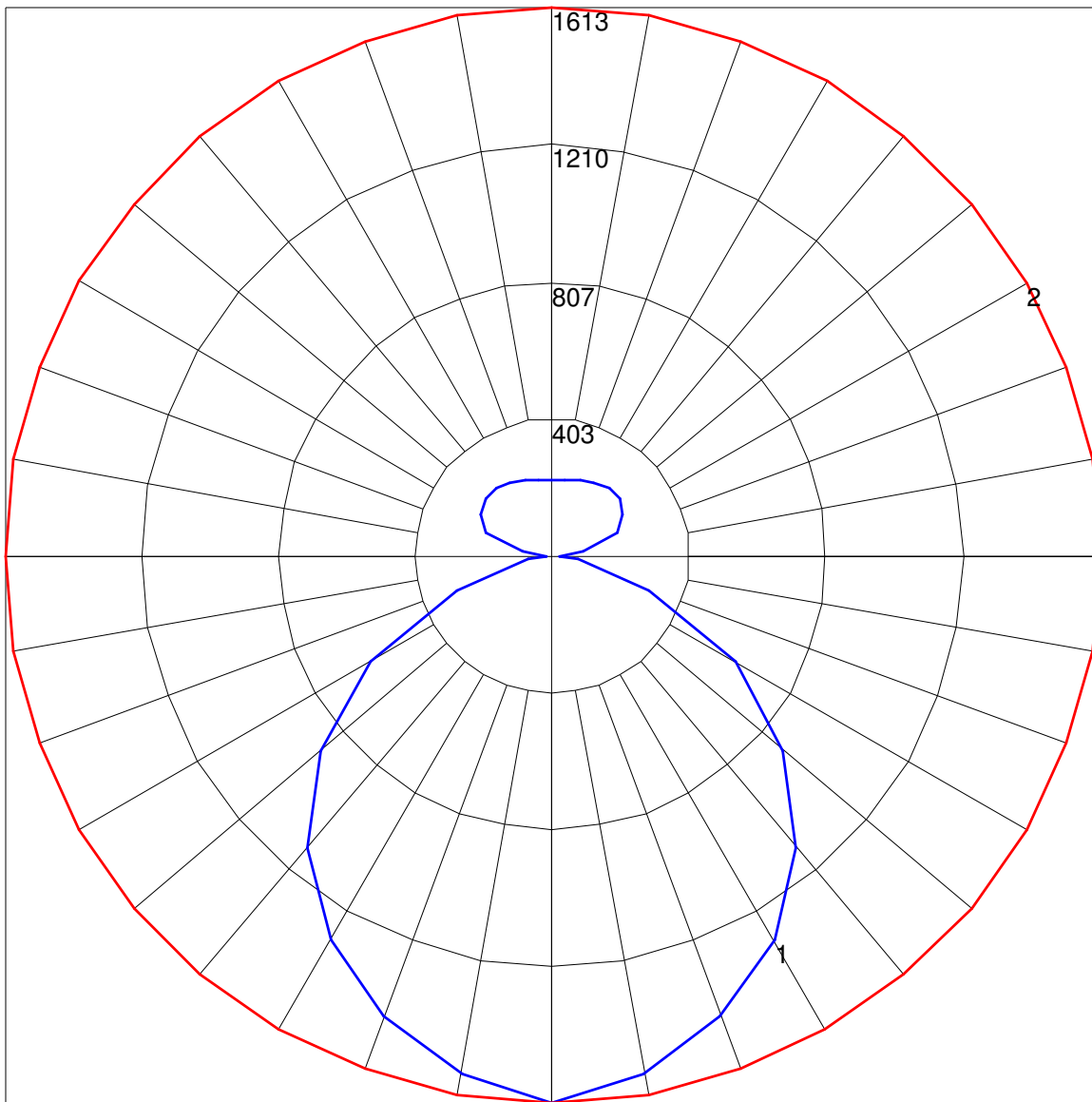
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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 = 1613.032 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.)