



IES INDOOR REPORT
PHOTOMETRIC FILENAME : LDI-4-LED-3070-PB-HO-30.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] LDI LED 4 PB HO SW S UE 30 70
[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-3070-PB-HO-30

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	4895
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	98
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)	0.75 ft
Luminous Height	0.00 ft



LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	5232	3990	3632
55	4969	3321	2818
65	4437	2609	2199
75	3257	2155	1901
85	2393	3011	2054

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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	1644.112	1644.112	1644.112	1644.112	1644.112	1644.112	1644.112	1644.112	1644.112	1644.112
10	1570.086	1563.533	1553.649	1546.640	1540.333	1533.489	1530.390	1529.758	1530.117	1527.354
20	1459.843	1449.073	1425.586	1400.292	1376.619	1358.944	1347.502	1343.504	1345.809	1346.485
30	1324.408	1305.463	1263.266	1212.732	1170.635	1139.255	1119.508	1110.565	1112.797	1116.246
40	1143.642	1118.018	1059.155	996.487	935.679	893.032	864.369	851.996	852.817	858.001
50	920.647	890.089	821.017	750.829	684.533	634.694	599.876	574.641	572.148	574.958
60	669.536	638.607	569.483	499.370	432.264	373.885	340.378	327.577	325.964	326.730
70	376.725	357.844	313.462	262.072	219.792	204.496	197.988	195.302	192.489	191.707
80	93.598	95.425	95.513	96.366	101.630	96.498	92.843	88.991	85.154	82.829
90	22.787	26.751	33.502	49.156	52.630	42.038	33.515	24.814	18.796	17.062
100	94.571	94.747	110.363	117.209	123.915	127.698	109.896	98.887	74.621	54.853
110	220.290	229.623	222.608	208.395	206.695	189.188	173.984	149.945	124.278	113.600
120	274.647	306.761	276.630	278.693	257.679	233.025	213.830	192.875	174.652	167.807
130	298.510	332.521	315.930	291.811	266.818	282.592	258.247	229.656	214.042	211.401
140	303.141	318.722	341.143	311.165	295.962	271.570	253.240	248.286	250.202	251.638
150	296.459	300.461	320.261	330.112	312.991	294.584	286.519	281.411	277.894	276.356
160	283.947	284.090	291.780	304.105	313.114	316.123	313.561	309.871	308.026	309.150
170	282.203	281.152	281.504	285.330	290.065	293.876	297.096	298.981	299.718	299.768
180	284.774	283.695	283.255	282.708	282.470	281.878	281.495	281.150	280.586	280.403

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	566.66	N.A.	11.60
0-30	1160.8	N.A.	23.70
0-40	1831.82	N.A.	37.40
0-60	2983.1	N.A.	60.90
0-80	3507.17	N.A.	71.60
0-90	3576.37	N.A.	73.10
10-90	3424.31	N.A.	70.00
20-40	1265.16	N.A.	25.80
20-50	1903.99	N.A.	38.90
40-70	1495.01	N.A.	30.50
60-80	524.07	N.A.	10.70
70-80	180.33	N.A.	3.70
80-90	69.21	N.A.	1.40
90-110	227.78	N.A.	4.70
90-120	438.82	N.A.	9.00
90-130	668.19	N.A.	13.70
90-150	1067.44	N.A.	21.80
90-180	1318.72	N.A.	26.90
110-180	1090.94	N.A.	22.30
0-180	4895.09	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	152.06
10-20	414.60
20-30	594.14
30-40	671.02
40-50	638.83
50-60	512.44
60-70	343.74
70-80	180.33
80-90	69.21
90-100	74.75
100-110	153.03
110-120	211.04
120-130	229.37
130-140	215.74
140-150	183.52
150-160	139.58
160-170	84.35
170-180	27.36

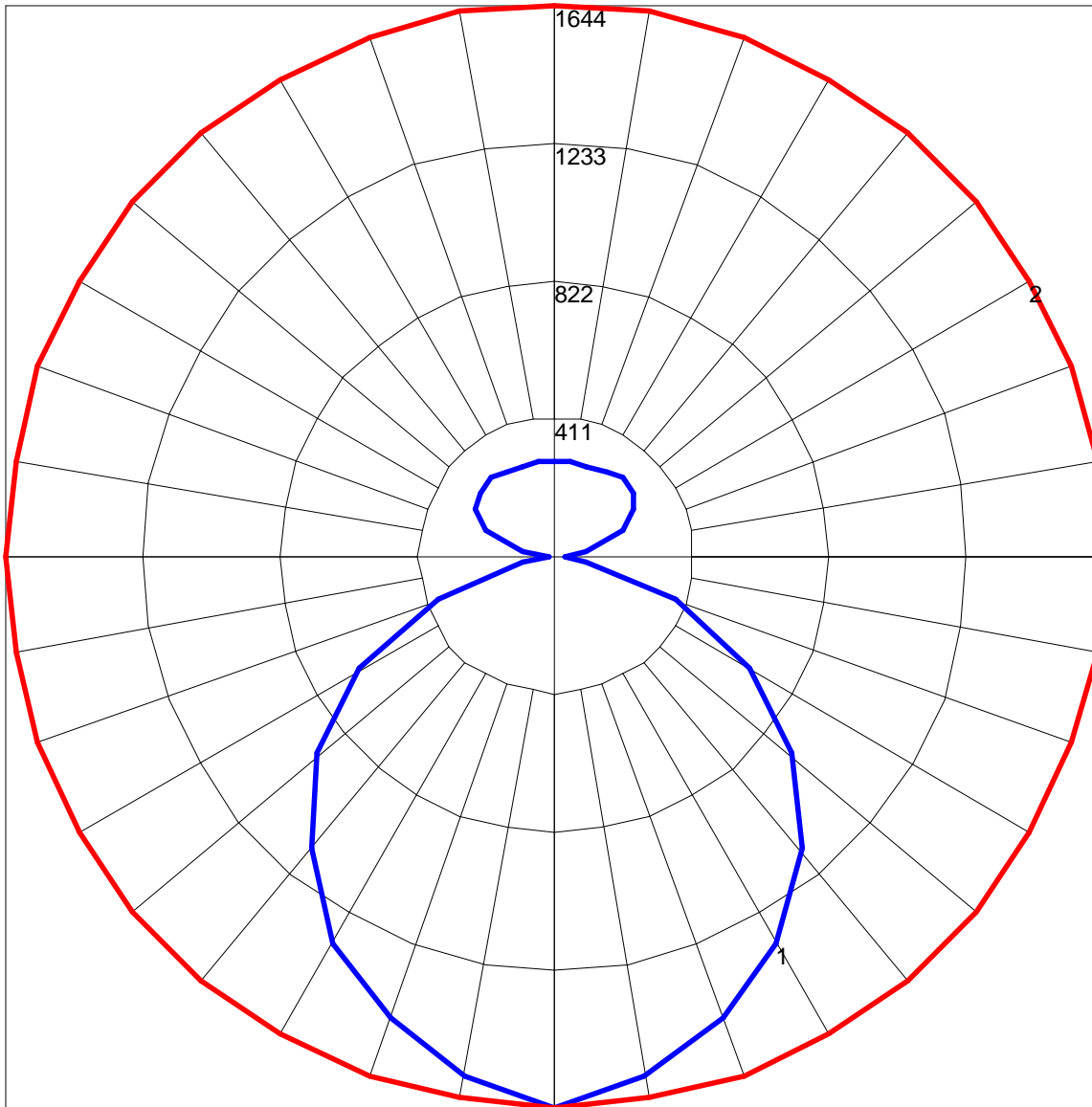
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	107	107	107	107	96	96	96	86	86	86	77	77	77	73
1	103	99	95	92	98	94	91	88	85	82	80	77	75	73	69	67	66	62
2	94	87	81	76	89	83	77	73	75	71	67	68	65	62	61	59	56	53
3	87	77	70	64	82	73	67	61	67	61	57	60	56	53	55	51	49	45
4	79	69	61	54	75	65	58	53	60	54	49	54	49	46	49	45	42	39
5	73	61	53	47	69	59	51	46	54	48	43	49	44	40	45	40	37	34
6	68	55	47	41	64	53	46	40	49	42	38	45	39	35	41	36	33	31
7	63	50	42	37	60	48	41	36	44	38	34	41	35	31	37	33	30	27
8	59	46	38	33	56	44	37	32	41	34	30	37	32	28	34	30	27	24
9	55	42	35	29	52	41	34	29	37	31	27	35	29	26	32	27	24	22
10	51	39	32	27	49	37	31	26	35	29	25	32	27	23	30	25	22	20

POLAR GRAPH



Maximum Candela = 1644.112 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.)