



IES INDOOR REPORT
PHOTOMETRIC FILENAME : LDI-4-LED-3070-PL-HO-35.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST]
[TESTLAB]Dekko
[ISSUE DATE]06-19-2017
[TEST DATE]03/8/17
[MANUFACTURER]LSI INDUSTRIES, INC
[LUMCAT] LDI-4-LED-3070-PL-HO-35
[ABSOLUTE]NOTE: DATA SHOWN IS ABSOLUTE FOR THE SAMPLE PROVIDED.
[OTHER]TEST PROCEDURE: IESNA LM-79-08
[SEARCH_SOURCETYPE] LED
[SEARCH_APPLICATION] Outdoor

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	2955
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	59
Total Luminaire Watts	50.1
Ballast Factor	1.00
CIE Type	Semi-Direct
Spacing Criterion (0-180)	1.26
Spacing Criterion (90-270)	1.30
Spacing Criterion (Diagonal)	1.34
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	2500	2529	2907
55	2012	2315	2871
65	623	1772	3232
75	228	415	1969
85	239	318	477

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CANDELA TABULATION

	<u>0.0</u>	<u>22.5</u>	<u>45.0</u>	<u>67.5</u>	<u>90.0</u>
0.0	800.676	800.676	800.676	800.676	800.676
2.5	819.049	806.478	800.676	793.907	789.072
5.0	818.082	806.478	799.709	792.940	788.105
7.5	815.181	802.610	794.874	786.171	780.369
10.0	808.412	795.841	785.204	777.468	771.666
12.5	798.742	786.171	773.600	767.798	763.930
15.0	786.171	772.633	761.996	759.095	756.194
17.5	771.666	755.227	747.491	748.458	747.491
20.0	756.194	738.788	732.019	737.821	738.788
22.5	737.821	720.415	715.580	725.250	730.085
25.0	718.481	700.108	696.240	711.712	718.481
27.5	698.174	678.834	677.867	696.240	705.910
30.0	674.966	655.626	657.560	679.801	693.339
32.5	649.824	630.484	634.352	660.461	676.900
35.0	621.781	603.408	610.177	640.154	659.494
37.5	592.771	574.398	584.068	616.946	641.121
40.0	561.827	544.421	556.992	592.771	620.814
42.5	527.982	512.510	527.982	567.629	598.573
45.0	493.170	477.698	498.972	540.553	573.431
47.5	457.391	441.919	467.061	510.576	547.322
50.0	416.777	405.173	435.150	481.566	520.246
52.5	372.295	366.493	402.272	449.655	491.236
55.0	322.011	323.945	370.361	418.711	459.325
57.5	263.991	276.562	337.483	385.833	425.480
60.0	196.301	221.443	300.737	355.856	398.404
62.5	127.644	159.555	259.156	329.747	391.635
65.0	73.492	98.634	208.872	313.308	380.998
67.5	48.350	58.020	147.951	282.364	355.856
70.0	31.911	38.680	88.964	231.113	331.681
72.5	23.208	27.076	48.350	159.555	290.100
75.0	16.439	20.307	29.977	83.162	142.149
77.5	12.571	15.472	20.307	36.746	77.360
80.0	9.670	11.604	14.505	22.241	42.548
82.5	6.769	8.703	10.637	14.505	23.208
85.0	5.802	8.703	7.736	8.703	11.604
87.5	3.868	5.802	6.769	4.835	5.802
90.0	2.901	5.802	7.736	4.835	3.868
92.5	15.472	37.713	41.581	18.373	18.373
95.0	24.175	53.185	67.690	71.558	72.525
97.5	32.878	60.921	81.228	68.657	52.218
100.0	44.482	73.492	92.832	82.195	75.426
102.5	57.053	86.063	103.469	110.238	100.568
105.0	68.657	98.634	117.007	129.578	122.809
107.5	79.294	110.238	133.446	146.017	147.951
110.0	90.898	119.908	146.017	162.456	158.588
112.5	100.568	129.578	158.588	178.895	172.126
115.0	111.205	137.314	168.258	186.631	182.763
117.5	121.842	145.050	173.093	189.532	192.433
120.0	130.545	154.720	176.961	193.400	198.235
122.5	139.248	158.588	183.730	198.235	203.070
125.0	146.984	163.423	190.499	203.070	205.971
127.5	153.753	166.324	195.334	205.004	208.872
130.0	160.522	171.159	198.235	207.905	210.806
132.5	165.357	175.027	199.202	209.839	212.740

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135.0	171.159	178.895	199.202	211.773	212.740
137.5	175.994	181.796	199.202	212.740	211.773
140.0	179.862	184.697	200.169	212.740	210.806
142.5	184.697	186.631	201.136	211.773	210.806
145.0	187.598	187.598	200.169	210.806	208.872
147.5	189.532	190.499	200.169	208.872	206.938
150.0	192.433	194.367	198.235	205.971	204.037
152.5	196.301	196.301	197.268	203.070	201.136
155.0	198.235	197.268	196.301	200.169	197.268
157.5	199.202	197.268	196.301	197.268	194.367
160.0	200.169	198.235	197.268	196.301	193.400
162.5	201.136	199.202	198.235	195.334	192.433
165.0	202.103	200.169	198.235	194.367	191.466
167.5	201.136	199.202	197.268	194.367	191.466
170.0	200.169	197.268	195.334	193.400	191.466
172.5	198.235	195.334	194.367	192.433	191.466
175.0	197.268	194.367	193.400	191.466	190.499
177.5	195.334	193.400	192.433	191.466	189.532
180.0	191.466	191.466	191.466	191.466	191.466

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	292.06	N.A.	9.90
0-30	617.82	N.A.	20.90
0-40	1007.54	N.A.	34.10
0-60	1736.33	N.A.	58.80
0-80	2014.12	N.A.	68.20
0-90	2024.53	N.A.	68.50
10-90	1948.57	N.A.	65.90
20-40	715.49	N.A.	24.20
20-50	1110.2	N.A.	37.60
40-70	939.00	N.A.	31.80
60-80	277.78	N.A.	9.40
70-80	67.57	N.A.	2.30
80-90	10.42	N.A.	0.40
90-110	168.40	N.A.	5.70
90-120	325.07	N.A.	11.00
90-130	488.61	N.A.	16.50
90-150	764.68	N.A.	25.90
90-180	930.71	N.A.	31.50
110-180	762.32	N.A.	25.80
0-180	2955.25	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	75.96
10-20	216.10
20-30	325.76
30-40	389.73
40-50	394.71
50-60	334.08
60-70	210.21
70-80	67.57
80-90	10.42
90-100	52.68
100-110	115.71
110-120	156.67
120-130	163.54
130-140	150.96
140-150	125.11
150-160	91.66
160-170	55.85
170-180	18.51

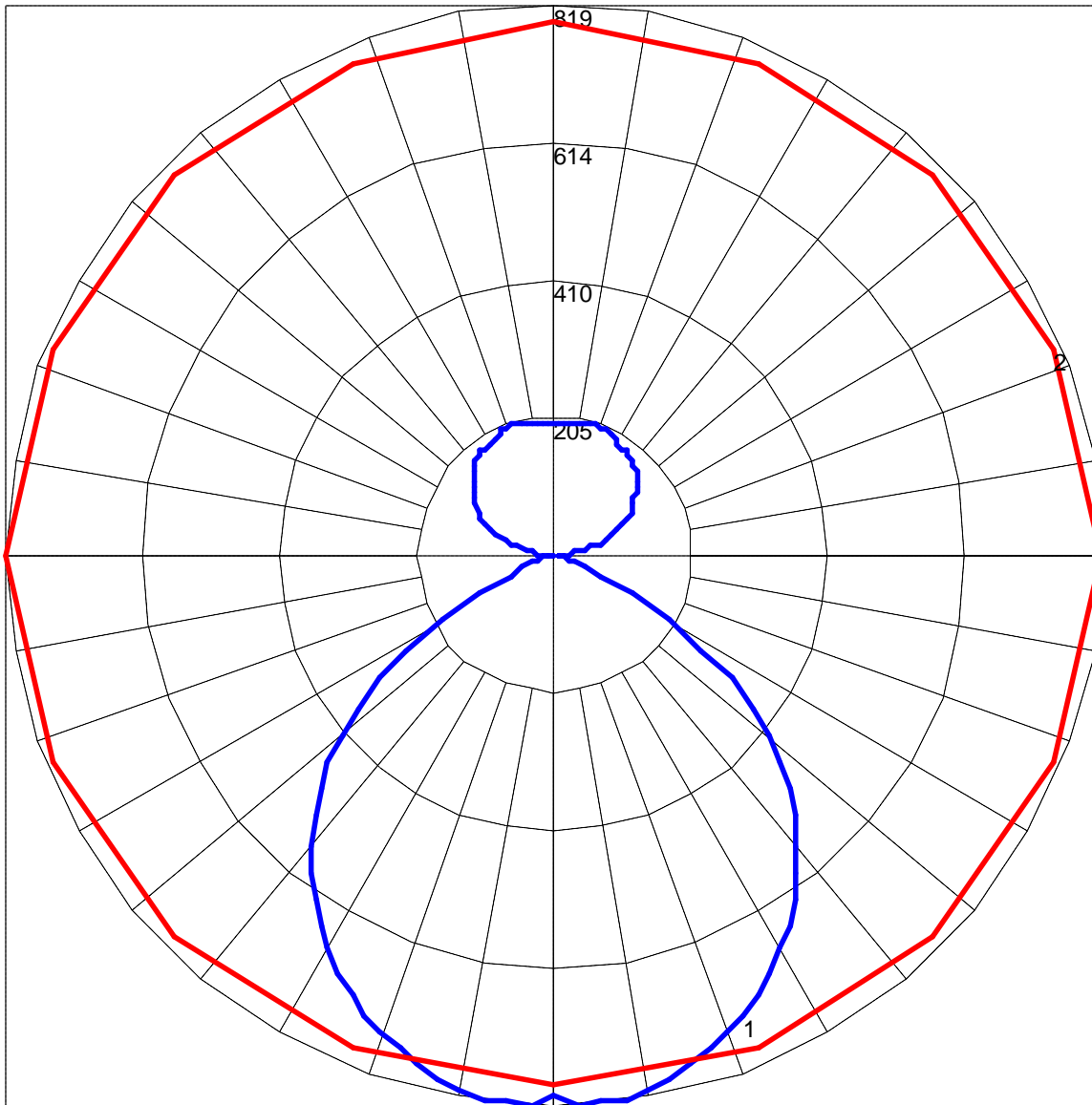
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	112	112	112	112	105	105	105	105	94	94	94	83	83	83	73	73	73	69
1	103	99	95	91	97	93	90	87	83	81	79	74	72	71	66	65	63	59
2	94	87	81	76	88	82	77	72	74	69	66	66	63	60	59	56	54	50
3	86	76	69	63	81	73	66	61	65	60	56	58	54	51	52	49	46	43
4	79	68	60	54	74	65	57	52	58	52	48	52	48	44	47	43	40	37
5	72	61	52	46	68	58	50	45	52	46	41	47	42	38	42	38	35	32
6	67	55	46	40	63	52	44	39	47	41	36	42	37	34	38	34	31	28
7	62	49	41	36	58	47	40	34	43	37	32	39	34	30	35	31	27	25
8	57	45	37	32	54	43	36	31	39	33	29	35	30	27	32	28	25	22
9	54	41	33	28	51	39	32	27	36	30	26	33	28	24	30	25	22	20
10	50	38	30	26	47	36	29	25	33	27	23	30	25	22	27	23	20	18

POLAR GRAPH



Maximum Candela = 819.049 Located At Horizontal Angle = 0, Vertical Angle = 2.5
1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (2.5) (Through Max. Cd.)

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