



IES INDOOR REPORT
PHOTOMETRIC FILENAME : LDI-4-LED-3070-PL-VHO-40.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST]LED-7327A
[TESTLAB]Dekko
[ISSUE DATE]06-19-2017
[TEST DATE]10/01/15
[MANUFACTURER]LSI INDUSTRIES, INC
[LUMCAT] LDI-4-LED-3070-PL-VHO-40
[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	3863
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	56
Total Luminaire Watts	69
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	3355	3359	3870
55	2711	2998	3802
65	855	2100	3624
75	295	545	2396
85	270	438	675

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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	1061.08	1061.08	1061.08	1061.08	1061.08
2.5	1085.68	1069.28	1061.08	1052.88	1047.14
5.0	1084.86	1068.46	1058.62	1049.60	1043.86
7.5	1080.76	1062.72	1052.06	1042.22	1035.66
10.0	1072.56	1053.70	1042.22	1030.74	1024.18
12.5	1059.44	1040.58	1027.46	1018.44	1012.70
15.0	1043.86	1024.18	1010.24	1005.32	1002.04
17.5	1026.64	1004.50	991.38	992.20	990.56
20.0	1006.96	982.36	970.88	977.44	979.90
22.5	983.18	957.76	948.74	961.86	966.78
25.0	958.58	932.34	924.96	944.64	953.66
27.5	930.70	902.00	900.36	924.96	938.08
30.0	900.36	872.48	873.30	903.64	921.68
32.5	868.38	838.04	843.78	879.04	902.82
35.0	831.48	802.78	811.80	851.98	880.68
37.5	792.12	763.42	776.54	822.46	856.08
40.0	751.12	723.24	740.46	791.30	829.02
42.5	707.66	681.42	702.74	756.04	797.04
45.0	661.74	636.32	662.56	717.50	763.42
47.5	613.36	590.40	619.10	677.32	727.34
50.0	560.88	539.56	574.00	635.50	689.62
52.5	500.20	487.08	527.26	592.86	650.26
55.0	433.78	426.40	479.70	548.58	608.44
57.5	356.70	358.34	428.04	502.66	565.80
60.0	262.40	284.54	373.92	455.10	521.52
62.5	168.10	202.54	313.24	406.72	473.96
65.0	100.86	127.10	247.64	355.06	427.22
67.5	64.78	77.90	175.48	300.94	381.30
70.0	43.46	51.66	111.52	241.90	333.74
72.5	30.34	36.08	63.96	170.56	270.60
75.0	21.32	25.42	39.36	100.86	173.02
77.5	14.76	18.86	25.42	50.84	94.30
80.0	11.48	14.76	17.22	27.88	55.76
82.5	9.02	10.66	13.12	17.22	30.34
85.0	6.56	8.20	10.66	10.66	16.40
87.5	4.92	6.56	8.20	6.56	7.38
90.0	9.84	18.86	29.52	18.04	14.76
92.5	22.96	45.92	117.26	63.96	34.44
95.0	35.26	68.06	123.00	114.80	91.02
97.5	46.74	88.56	140.22	170.56	120.54
100.0	62.32	103.32	146.78	142.68	123.82
102.5	76.26	115.62	152.52	145.96	142.68
105.0	94.30	126.28	161.54	154.16	153.34
107.5	109.06	131.20	153.34	172.20	168.92
110.0	123.00	146.78	176.30	189.42	180.40
112.5	137.76	151.70	176.30	182.86	194.34
115.0	147.60	162.36	177.94	174.66	203.36
117.5	166.46	172.20	173.84	186.96	212.38
120.0	173.84	191.88	194.34	202.54	221.40
122.5	191.06	188.60	214.02	221.40	230.42
125.0	196.80	191.88	223.04	237.80	237.80
127.5	224.68	208.28	231.24	250.10	243.54
130.0	218.94	222.22	230.42	255.84	249.28
132.5	230.42	232.88	223.86	256.66	254.20

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CANDELA TABULATION - (Cont.)

135.0	246.00	242.72	232.06	261.58	258.30
137.5	255.84	246.82	245.18	266.50	262.40
140.0	258.30	241.08	254.20	271.42	264.86
142.5	259.12	259.12	264.86	275.52	266.50
145.0	277.98	278.80	272.24	275.52	268.14
147.5	288.64	282.08	277.16	273.06	269.78
150.0	287.82	280.44	276.34	269.78	272.24
152.5	286.18	287.82	277.98	267.32	275.52
155.0	294.38	292.74	281.26	270.60	277.16
157.5	296.02	293.56	287.82	275.52	276.34
160.0	296.84	297.66	296.84	278.80	277.16
162.5	303.40	302.58	300.12	288.64	284.54
165.0	309.14	305.86	300.94	295.20	291.92
167.5	308.32	305.04	299.30	296.84	294.38
170.0	305.04	301.76	299.30	296.02	293.56
172.5	302.58	300.12	297.66	294.38	291.92
175.0	300.12	297.66	296.02	292.74	289.46
177.5	296.84	295.20	292.74	290.28	287.82
180.0	291.92	291.92	291.92	291.92	291.92

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	387.32	N.A.	10.00
0-30	820.18	N.A.	21.20
0-40	1339.16	N.A.	34.70
0-60	2302.64	N.A.	59.60
0-80	2630.66	N.A.	68.10
0-90	2645.32	N.A.	68.50
10-90	2544.66	N.A.	65.90
20-40	951.84	N.A.	24.60
20-50	1477.09	N.A.	38.20
40-70	1214.17	N.A.	31.40
60-80	328.01	N.A.	8.50
70-80	77.32	N.A.	2.00
80-90	14.66	N.A.	0.40
90-110	243.94	N.A.	6.30
90-120	418.41	N.A.	10.80
90-130	613.91	N.A.	15.90
90-150	974.88	N.A.	25.20
90-180	1218.13	N.A.	31.50
110-180	974.19	N.A.	25.20
0-180	3863.45	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	100.66
10-20	286.66
20-30	432.86
30-40	518.97
40-50	525.26
50-60	438.23
60-70	250.69
70-80	77.32
80-90	14.66
90-100	94.66
100-110	149.28
110-120	174.47
120-130	195.51
130-140	190.79
140-150	170.17
150-160	130.60
160-170	84.36
170-180	28.30

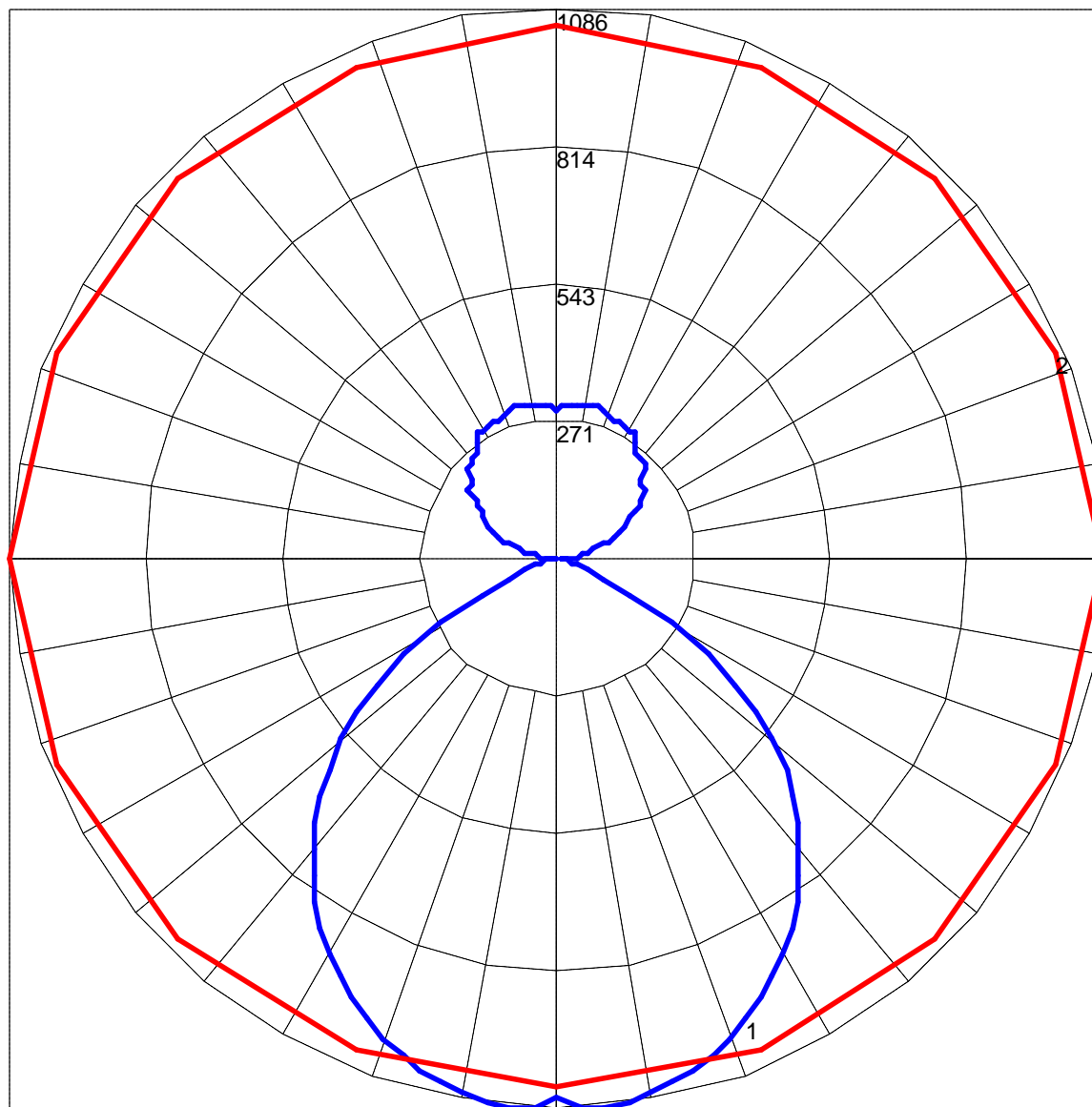
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	68
1	103	99	95	92	97	93	90	87	83	81	79	74	73	71	66	65	63	59
2	94	87	81	76	89	82	77	73	74	70	66	66	63	60	59	56	54	51
3	86	77	70	64	81	73	66	61	66	60	56	59	55	51	52	49	47	43
4	79	68	60	54	74	65	58	52	58	53	48	53	48	44	47	43	41	38
5	73	61	53	47	68	58	51	45	52	46	42	47	42	39	42	39	35	33
6	67	55	47	41	63	52	45	39	47	41	37	43	38	34	39	34	31	29
7	62	50	42	36	59	47	40	35	43	37	32	39	34	30	35	31	28	26
8	58	45	37	32	54	43	36	31	39	33	29	36	31	27	32	28	25	23
9	54	41	34	29	51	40	33	28	36	30	26	33	28	24	30	26	23	21
10	50	38	31	26	48	36	30	25	33	28	24	30	25	22	28	24	21	19

POLAR GRAPH



Maximum Candela = 1085.68 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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