



IES INDOOR REPORT

PHOTOMETRIC FILENAME : LDI-4-LED-2080-FB-VHO-35.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002

[_ABSOLUTELUMENS] 5605.59344205844

[TEST]LDI LED 4 PB VHO WW S UE 20 80

[TESTLAB] Dekko

[TESTDATE] 03-09-2017

[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-VHO-35

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	5622
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	79
Total Luminaire Watts	71.3
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	9490	7352	6619
55	8793	6045	5125
65	7307	4656	3924
75	4861	3627	3263
85	3526	4058	2761

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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	2001.28	2001.28	2001.28	2001.28	2001.28	2001.28	2001.28	2001.28	2001.28	2001.28
10	1925.21	1916.11	1908.90	1898.80	1887.82	1879.44	1872.16	1868.28	1867.77	1868.38
20	1794.24	1779.37	1756.05	1721.97	1689.29	1663.73	1644.20	1636.77	1636.29	1639.98
30	1625.11	1603.62	1561.95	1503.33	1447.85	1401.18	1366.97	1353.05	1352.02	1358.65
40	1392.28	1362.61	1304.84	1225.32	1156.90	1098.97	1054.71	1035.08	1032.17	1039.67
50	1103.73	1063.23	1002.61	915.47	839.13	772.63	726.47	700.96	694.11	701.17
60	772.31	738.67	681.33	597.04	513.67	453.93	406.52	393.08	391.15	392.21
70	376.34	362.47	347.71	299.58	255.74	240.58	234.39	228.48	225.64	224.66
80	91.64	93.40	102.19	102.40	101.68	100.36	98.09	95.04	91.88	89.50
90	22.68	29.77	34.17	37.00	35.10	25.98	19.05	10.59	2.88	0.00
100	110.59	118.73	108.94	96.95	85.33	74.73	64.27	54.87	45.56	40.21
110	254.77	254.13	246.54	230.27	206.86	183.16	159.44	135.53	111.00	100.43
120	299.55	314.89	303.75	298.74	265.31	251.15	223.63	190.07	166.16	157.47
130	323.06	348.47	330.74	314.89	311.02	285.64	249.33	221.15	205.85	203.16
140	322.35	338.44	350.00	318.82	289.63	294.56	286.02	270.75	262.28	258.25
150	308.57	319.96	326.19	331.88	315.26	289.00	272.75	266.71	266.59	267.90
160	288.34	291.66	298.89	301.89	306.15	312.31	311.60	309.60	308.76	309.24
170	281.78	282.41	285.25	289.29	292.38	294.16	295.61	296.52	296.64	296.02
180	279.70	279.70	279.70	279.70	279.70	279.70	279.70	279.70	279.70	279.70

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	693.38	N.A.	12.30
0-30	1421.79	N.A.	25.30
0-40	2244.33	N.A.	39.90
0-60	3640.02	N.A.	64.70
0-80	4238.08	N.A.	75.40
0-90	4303.63	N.A.	76.50
10-90	4117.98	N.A.	73.20
20-40	1550.95	N.A.	27.60
20-50	2329.85	N.A.	41.40
40-70	1795.64	N.A.	31.90
60-80	598.06	N.A.	10.60
70-80	198.11	N.A.	3.50
80-90	65.55	N.A.	1.20
90-110	199.19	N.A.	3.50
90-120	416.83	N.A.	7.40
90-130	654.70	N.A.	11.60
90-150	1067.43	N.A.	19.00
90-180	1318.38	N.A.	23.50
110-180	1119.19	N.A.	19.90
0-180	5622.02	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	185.65
10-20	507.73
20-30	728.41
30-40	822.54
40-50	778.90
50-60	616.78
60-70	399.96
70-80	198.11
80-90	65.55
90-100	56.41
100-110	142.78
110-120	217.64
120-130	237.87
130-140	225.06
140-150	187.67
150-160	139.28
160-170	84.42
170-180	27.25

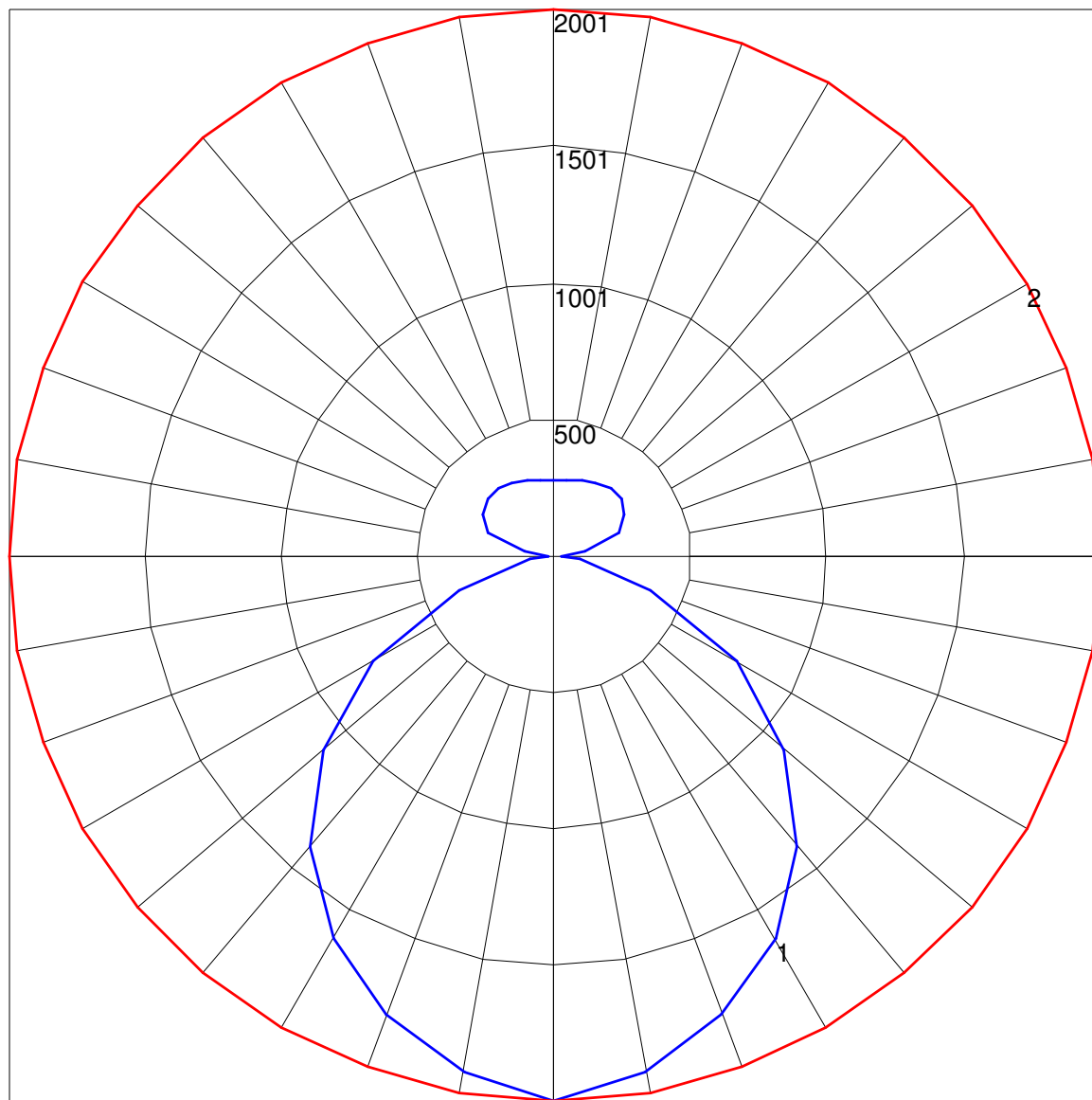
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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 = 2001.28 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.)