



## IES INDOOR REPORT

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

### DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002

[\_ABSOLUTE]LUMENS] 5605.59344205844

[TEST]LDI LED 4 FB VHO SW S UE 20 80

[TESTLAB]Dekko.

[TESTDATE] 03-09-2017

[ISSUEDATE]06-19-2017

[MANUFAC]LSI INDUSTRIES, INC

[\_SEARCH\_SOURCE]TYPE] 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-30

### CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	5273
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	74
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	8902	6897	6208
55	8248	5670	4807
65	6854	4368	3681
75	4560	3402	3061
85	3308	3807	2590

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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>
<b>0</b>	1877.201	1877.201	1877.201	1877.201	1877.201	1877.201	1877.201	1877.201	1877.201	1877.201
<b>10</b>	1805.847	1797.311	1790.548	1781.074	1770.775	1762.915	1756.086	1752.447	1751.968	1752.540
<b>20</b>	1682.997	1669.049	1647.175	1615.208	1584.554	1560.579	1542.260	1535.290	1534.840	1538.301
<b>30</b>	1524.353	1504.196	1465.109	1410.124	1358.083	1314.307	1282.218	1269.161	1268.195	1274.414
<b>40</b>	1305.959	1278.128	1223.940	1149.350	1085.172	1030.834	989.318	970.905	968.175	975.210
<b>50</b>	1035.299	997.310	940.448	858.711	787.104	724.727	681.429	657.500	651.075	657.697
<b>60</b>	724.427	692.872	639.088	560.024	481.822	425.786	381.316	368.709	366.899	367.893
<b>70</b>	353.007	339.997	326.152	281.006	239.884	225.664	219.858	214.314	211.650	210.731
<b>80</b>	85.958	87.609	95.854	96.051	95.376	94.138	92.008	89.148	86.183	83.951
<b>90</b>	21.274	27.924	32.051	34.706	32.924	24.369	17.869	9.933	2.701	0.000
<b>100</b>	103.733	111.369	102.186	90.939	80.040	70.097	60.285	51.468	42.735	37.717
<b>110</b>	238.974	238.374	231.255	215.993	194.035	171.804	149.555	127.127	104.118	94.203
<b>120</b>	280.978	295.367	284.918	280.218	248.861	235.579	209.765	178.286	155.858	147.707
<b>130</b>	303.030	326.865	310.234	295.367	291.737	267.930	233.872	207.439	193.087	190.564
<b>140</b>	302.364	317.457	328.300	299.053	271.673	276.297	268.287	253.964	246.019	242.239
<b>150</b>	289.439	300.122	305.966	311.303	295.714	271.082	255.840	250.174	250.061	251.290
<b>160</b>	270.463	273.577	280.359	283.173	287.169	292.947	292.281	290.405	289.617	290.067
<b>170</b>	264.310	264.901	267.565	271.354	274.252	275.922	277.282	278.136	278.248	277.667
<b>180</b>	262.359	262.359	262.359	262.359	262.359	262.359	262.359	262.359	262.359	262.359

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**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	650.39	N.A.	12.30
0-30	1333.64	N.A.	25.30
0-40	2105.18	N.A.	39.90
0-60	3414.34	N.A.	64.70
0-80	3975.32	N.A.	75.40
0-90	4036.81	N.A.	76.50
10-90	3862.67	N.A.	73.20
20-40	1454.79	N.A.	27.60
20-50	2185.4	N.A.	41.40
40-70	1684.31	N.A.	31.90
60-80	560.98	N.A.	10.60
70-80	185.82	N.A.	3.50
80-90	61.49	N.A.	1.20
90-110	186.84	N.A.	3.50
90-120	390.99	N.A.	7.40
90-130	614.11	N.A.	11.60
90-150	1001.25	N.A.	19.00
90-180	1236.64	N.A.	23.50
110-180	1049.8	N.A.	19.90
0-180	5273.45	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	174.14
10-20	476.25
20-30	683.25
30-40	771.54
40-50	730.61
50-60	578.54
60-70	375.16
70-80	185.82
80-90	61.49
90-100	52.91
100-110	133.93
110-120	204.15
120-130	223.12
130-140	211.11
140-150	176.03
150-160	130.64
160-170	79.19
170-180	25.56

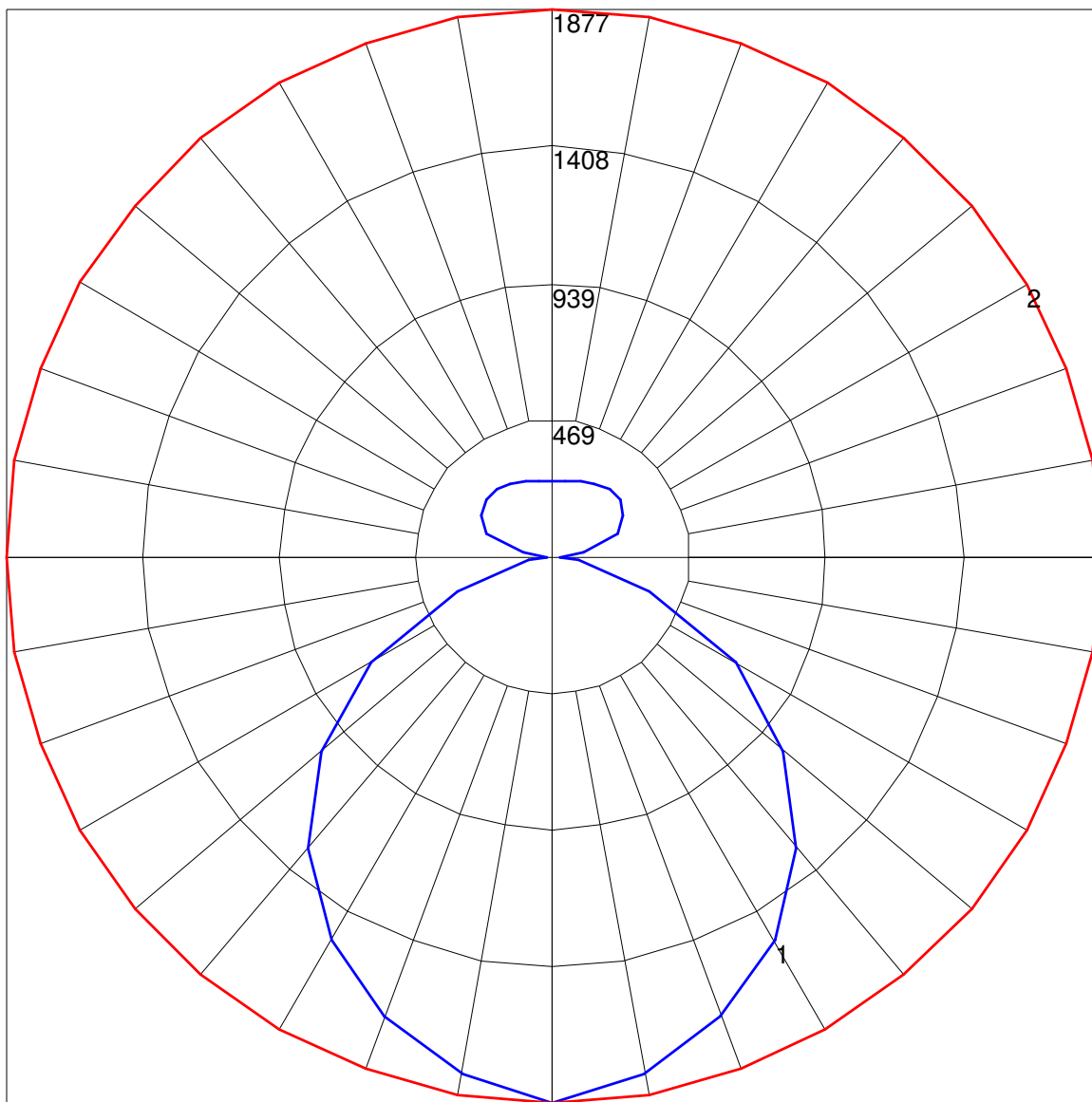
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**COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD**

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 = 1877.201 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.)