



IES INDOOR REPORT
PHOTOMETRIC FILENAME : LDI-4-LED-2080-PL-VHO-30.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST]
[TESTLAB]Dekko
[ISSUE DATE]06-19-2017
[TEST DATE]3/7/17
[MANUFACTURER]LSI INDUSTRIES, INC
[LUMCAT] LDI-4-LED-2080-PL-VHO-30
[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	3598
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	52
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	3243	3247	3735
55	2648	2917	3681
65	835	2081	3581
75	288	596	2514
85	221	380	886

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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	1018.156	1018.156	1018.156	1018.156	1018.156
2.5	1041.995	1025.846	1018.156	1009.697	1002.776
5.0	1040.457	1023.539	1015.080	1005.083	998.931
7.5	1036.612	1018.925	1008.928	999.700	993.548
10.0	1028.922	1009.697	1001.238	992.779	986.627
12.5	1017.387	996.624	989.703	982.013	975.861
15.0	1001.238	981.244	974.323	968.940	965.864
17.5	984.320	964.326	955.867	956.636	955.098
20.0	965.864	944.332	936.642	942.794	943.563
22.5	945.101	922.800	915.110	927.414	931.259
25.0	922.031	898.961	892.809	910.496	918.186
27.5	895.116	872.046	868.970	891.271	902.806
30.0	867.432	842.824	842.824	870.508	885.119
32.5	835.903	810.526	815.140	846.669	866.663
35.0	802.067	776.690	784.380	820.523	845.900
37.5	765.924	740.547	750.544	792.839	822.061
40.0	725.167	701.328	715.939	762.848	795.915
42.5	682.872	658.264	679.796	730.550	767.462
45.0	639.808	614.431	640.577	694.407	736.702
47.5	591.361	570.598	599.820	656.726	702.866
50.0	541.376	523.689	556.756	618.276	667.492
52.5	486.777	472.935	512.923	576.750	629.042
55.0	423.719	417.567	466.783	533.686	589.054
57.5	350.664	355.278	417.567	488.315	547.528
60.0	264.536	282.992	364.506	443.713	506.771
62.5	166.104	204.554	308.369	399.111	465.245
65.0	98.432	126.116	245.311	351.433	422.181
67.5	61.520	76.900	179.177	297.603	379.117
70.0	41.526	50.754	119.964	238.390	327.594
72.5	29.222	35.374	73.824	175.332	246.849
75.0	20.763	25.377	43.064	116.888	181.484
77.5	14.611	18.456	26.915	71.517	129.961
80.0	10.766	13.842	17.687	34.605	69.979
82.5	7.690	9.997	13.073	19.994	40.757
85.0	5.383	6.921	9.228	12.304	21.532
87.5	3.845	6.152	7.690	7.690	12.304
90.0	6.152	19.225	29.222	18.456	12.304
92.5	17.687	49.216	59.982	49.216	47.678
95.0	29.222	63.058	121.502	193.019	173.025
97.5	39.988	83.821	135.344	133.806	119.195
100.0	49.985	93.818	130.730	138.420	146.110
102.5	61.520	97.663	137.651	137.651	134.575
105.0	73.824	102.277	141.496	143.803	136.882
107.5	85.359	106.122	137.651	136.113	150.724
110.0	95.356	115.350	149.955	160.721	165.335
112.5	109.967	120.733	143.034	177.639	181.484
115.0	118.426	128.423	149.955	190.712	193.019
117.5	132.268	136.882	167.642	164.566	189.174
120.0	140.727	147.648	154.569	167.642	188.405
122.5	153.800	155.338	159.183	179.946	192.250
125.0	160.721	169.949	169.180	186.867	196.095
127.5	176.101	163.797	189.174	187.636	199.940
130.0	182.253	175.332	203.016	192.250	203.016
132.5	183.022	179.177	206.092	202.247	205.323

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CANDELA TABULATION - (Cont.)

135.0	188.405	196.864	201.478	213.013	208.399
137.5	203.016	206.861	199.940	221.472	211.475
140.0	212.244	220.703	201.478	226.086	213.782
142.5	229.162	230.700	205.323	227.624	216.089
145.0	235.314	224.548	212.244	226.855	218.396
147.5	228.393	219.165	219.934	224.548	220.703
150.0	223.779	219.934	226.855	223.010	224.548
152.5	226.086	227.624	233.007	226.086	228.393
155.0	233.776	235.314	238.390	229.162	229.162
157.5	238.390	239.928	243.004	232.238	232.238
160.0	245.311	244.542	244.542	237.621	234.545
162.5	250.694	249.156	246.080	240.697	238.390
165.0	253.770	250.694	246.849	241.466	240.697
167.5	254.539	250.694	246.080	242.235	240.697
170.0	253.001	248.387	245.311	242.235	240.697
172.5	249.925	246.080	243.773	241.466	239.928
175.0	248.387	245.311	243.773	240.697	239.159
177.5	246.849	243.773	242.235	239.928	237.621
180.0	241.466	241.466	241.466	241.466	241.466

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	372.35	N.A.	10.30
0-30	789.57	N.A.	21.90
0-40	1290.38	N.A.	35.90
0-60	2225.18	N.A.	61.80
0-80	2555.24	N.A.	71.00
0-90	2570.91	N.A.	71.40
10-90	2474.36	N.A.	68.80
20-40	918.03	N.A.	25.50
20-50	1425.91	N.A.	39.60
40-70	1182.8	N.A.	32.90
60-80	330.06	N.A.	9.20
70-80	82.07	N.A.	2.30
80-90	15.67	N.A.	0.40
90-110	223.58	N.A.	6.20
90-120	374.65	N.A.	10.40
90-130	531.35	N.A.	14.80
90-150	826.89	N.A.	23.00
90-180	1027.34	N.A.	28.60
110-180	803.77	N.A.	22.30
0-180	3598.26	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	96.56
10-20	275.79
20-30	417.22
30-40	500.81
40-50	507.88
50-60	426.92
60-70	247.99
70-80	82.07
80-90	15.67
90-100	93.36
100-110	130.22
110-120	151.07
120-130	156.70
130-140	156.52
140-150	139.03
150-160	107.63
160-170	69.54
170-180	23.28

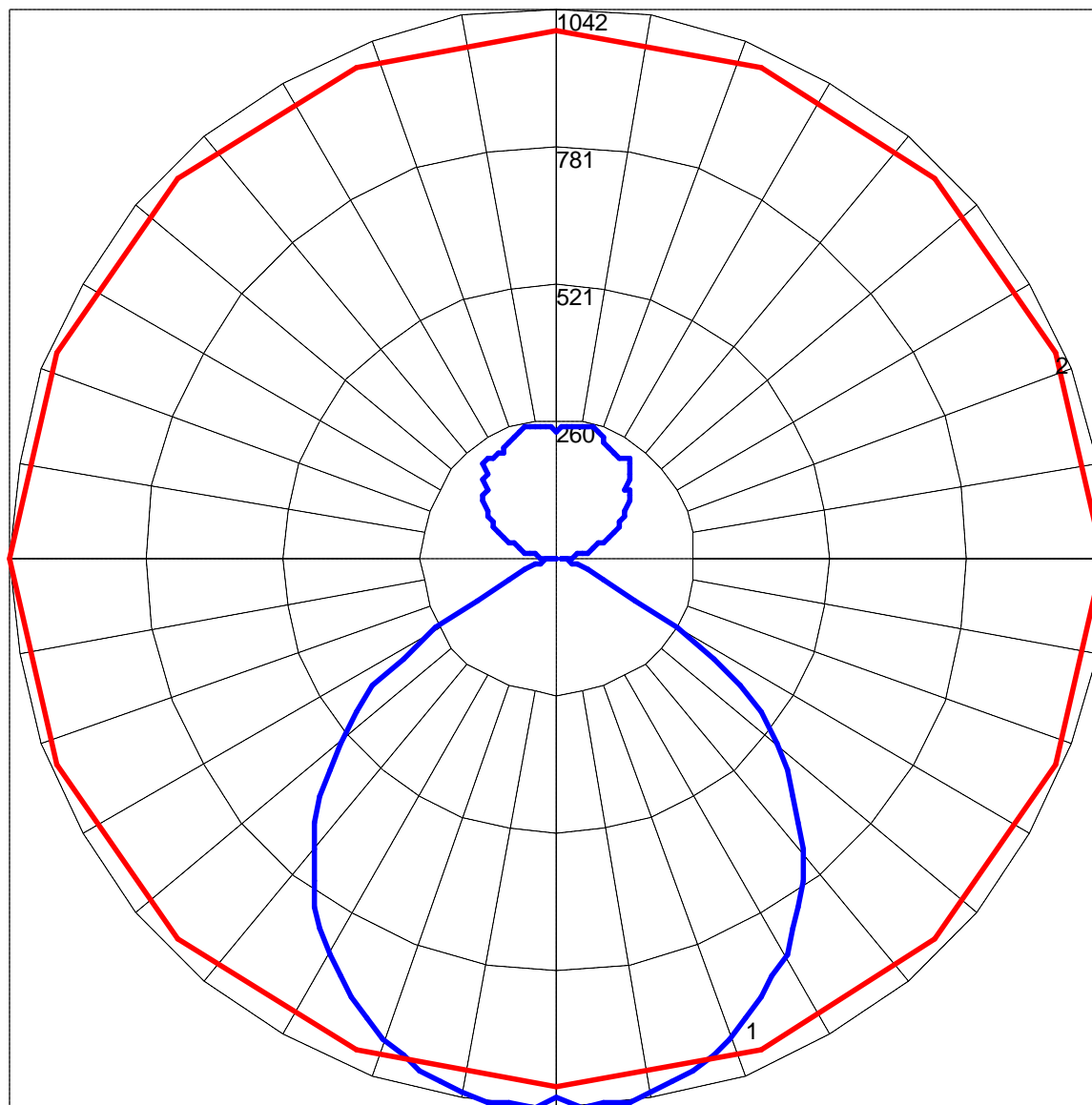
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	106	106	106	106	95	95	95	85	85	85	76	76	76	71
1	103	99	96	92	98	94	91	88	85	82	80	76	74	73	68	67	66	62
2	95	87	81	76	89	83	78	73	75	71	67	68	64	62	61	58	56	53
3	87	77	70	64	82	74	67	62	67	61	57	60	56	53	54	51	48	45
4	79	69	61	55	75	65	58	53	59	54	49	54	49	45	49	45	42	39
5	73	61	53	47	69	59	51	46	53	47	42	48	43	40	44	40	37	34
6	67	55	47	41	64	53	45	40	48	42	37	44	39	35	40	36	32	30
7	62	50	42	36	59	48	40	35	44	37	33	40	35	31	36	32	29	26
8	58	45	38	32	55	44	36	31	40	34	29	37	31	28	33	29	26	24
9	54	42	34	29	51	40	33	28	37	31	26	34	29	25	31	26	23	21
10	51	38	31	26	48	37	30	25	34	28	24	31	26	22	29	24	21	19

POLAR GRAPH



Maximum Candela = 1041.995 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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