



IES INDOOR REPORT

PHOTOMETRIC FILENAME : PDL6K-LED-09L-40-WH.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST]LED-9895
[TESTLAB]LSI INDUSTRIES, INC
[ISSUE DATE]03/16/18
[TEST DATE]03/16/18
[MANUFACTURER]LSI INDUSTRIES, INC
[LUMEN CATEGORY]PDL6K-LED-09L-40-WH
[ABSOLUTE]NOTE: DATA SHOWN IS ABSOLUTE FOR THE SAMPLE PROVIDED.
[OTHER]TEST PROCEDURE: IESNA LM-79-08
[SEARCH SOURCE TYPE] LED
[SEARCH APPLICATION] Indoor

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	936
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	76
Total Luminaire Watts	12.3
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.08
Spacing Criterion (90-270)	1.08
Spacing Criterion (Diagonal)	1.34
Basic Luminous Shape	Circular
Luminous Length (0-180)	0.50 ft (Diameter)
Luminous Width (90-270)	0.50 ft (Diameter)
Luminous Height	0.00 ft

LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	24321	24398	24398
55	7639	7543	7448
65	4017	4017	4147
75	3597	3597	3597
85	3142	3142	3142

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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	505	505	505	505	505
2.5	505	506	506	506	505
5.0	496	496	495	494	492
7.5	478	478	476	474	474
10.0	458	458	456	453	453
12.5	440	440	438	434	432
15.0	423	424	423	419	416
17.5	410	411	410	406	404
20.0	398	398	397	395	393
22.5	387	388	388	386	384
25.0	378	378	379	378	376
27.5	369	369	371	369	368
30.0	359	361	363	360	359
32.5	351	355	355	353	353
35.0	345	346	347	346	345
37.5	338	339	340	340	338
40.0	331	333	336	334	331
42.5	325	328	330	329	326
45.0	314	315	315	316	315
47.5	285	287	283	281	281
50.0	230	231	228	227	227
52.5	145	142	145	145	146
55.0	80	79	79	78	78
57.5	54	54	54	54	54
60.0	43	43	43	43	43
62.5	36	36	36	36	37
65.0	31	31	31	31	32
67.5	27	27	27	27	27
70.0	23	23	23	23	24
72.5	19	19	20	20	20
75.0	17	17	17	16	17
77.5	15	15	15	14	14
80.0	12	12	12	12	12
82.5	9	9	9	9	8
85.0	5	5	5	5	5
87.5	2	2	2	2	2
90.0	0	0	0	0	0

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	165.03	N.A.	17.60
0-30	339.61	N.A.	36.30
0-40	556.95	N.A.	59.50
0-60	880.80	N.A.	94.10
0-80	930.36	N.A.	99.40
0-90	936.31	N.A.	100.00
10-90	890.41	N.A.	95.10
20-40	391.93	N.A.	41.90
20-50	624.74	N.A.	66.70
40-70	355.31	N.A.	37.90
60-80	49.56	N.A.	5.30
70-80	18.09	N.A.	1.90
80-90	5.95	N.A.	0.60
90-110	0.00	N.A.	0.00
90-120	0.00	N.A.	0.00
90-130	0.00	N.A.	0.00
90-150	0.00	N.A.	0.00
90-180	0.00	N.A.	0.00
110-180	0.00	N.A.	0.00
0-180	936.31	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	45.90
10-20	119.13
20-30	174.58
30-40	217.35
40-50	232.81
50-60	91.03
60-70	31.47
70-80	18.09
80-90	5.95
90-100	0.00
100-110	0.00
110-120	0.00
120-130	0.00
130-140	0.00
140-150	0.00
150-160	0.00
160-170	0.00
170-180	0.00

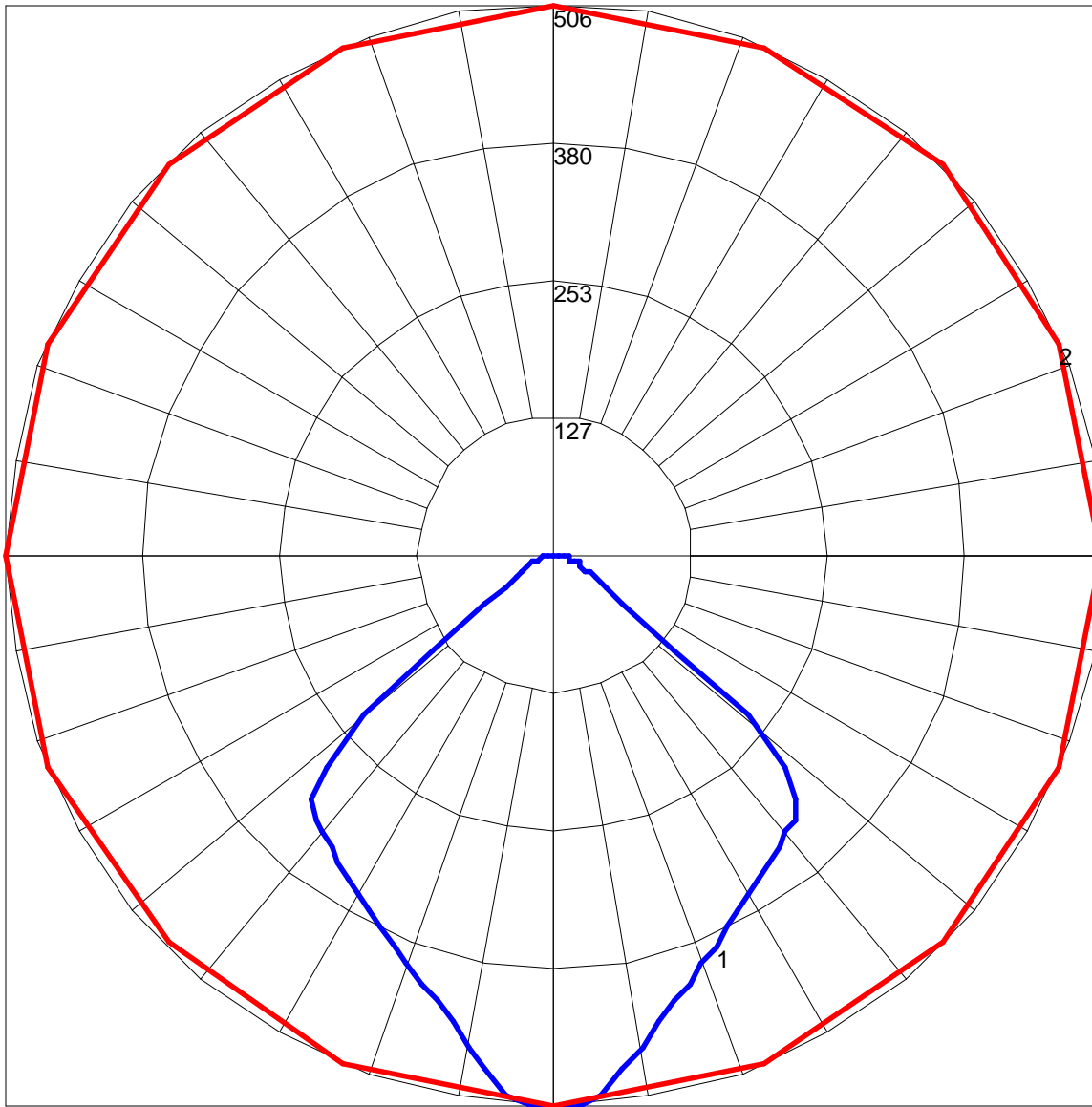
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	111	108	104	101	109	105	102	100	101	99	96	97	95	93	94	92	91	89
2	103	97	91	87	101	95	90	85	91	87	84	88	85	82	85	82	80	78
3	96	87	80	75	93	85	79	74	83	77	73	80	76	72	78	74	71	69
4	89	79	71	65	87	77	70	65	75	69	64	73	68	63	71	66	63	61
5	82	71	63	58	80	70	63	57	68	62	57	66	61	56	64	60	56	54
6	76	65	57	51	75	64	56	51	62	56	51	61	55	50	59	54	50	48
7	71	59	51	46	70	58	51	46	57	50	45	56	50	45	54	49	45	43
8	67	54	47	41	65	54	46	41	52	46	41	51	45	41	50	45	41	39
9	62	50	43	37	61	49	42	37	48	42	37	47	41	37	46	41	37	35
10	59	46	39	34	57	46	39	34	45	38	34	44	38	34	43	38	34	32

POLAR GRAPH



Maximum Candela = 506 Located At Horizontal Angle = 22.5, Vertical Angle = 2.5
1 - Vertical Plane Through Horizontal Angles (22.5 - 202.5) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (2.5) (Through Max. Cd.)