



IES INDOOR REPORT

PHOTOMETRIC FILENAME : PDL6K-LED-08L-30-WB.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST]LED-9898
[TESTLAB]LSI INDUSTRIES, INC
[ISSUE DATE]03/16/18
[TEST DATE]03/16/18
[MANUFACTURER]LSI INDUSTRIES, INC
[LUMEN CATEGORY]PDL6K-LED-08L-30-WB
[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	842
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	68
Total Luminaire Watts	12.4
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.20
Spacing Criterion (90-270)	1.18
Spacing Criterion (Diagonal)	1.36
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	19983	19828	19519
55	10217	9931	9931
65	4277	4277	4277
75	3597	3597	3386
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	408	408	408	408	408
2.5	410	409	409	409	409
5.0	407	407	407	406	406
7.5	402	401	401	400	400
10.0	395	394	393	393	393
12.5	386	386	385	385	384
15.0	377	377	376	376	375
17.5	368	369	368	368	367
20.0	359	360	359	360	358
22.5	351	352	350	350	349
25.0	343	344	341	341	340
27.5	335	335	333	331	330
30.0	325	325	324	322	320
32.5	317	316	315	312	311
35.0	308	308	306	304	302
37.5	299	298	297	294	293
40.0	290	288	287	284	283
42.5	277	277	275	272	272
45.0	258	257	256	253	252
47.5	230	229	228	224	225
50.0	195	193	193	190	189
52.5	152	151	150	147	147
55.0	107	107	104	104	104
57.5	72	71	71	71	70
60.0	52	51	51	51	51
62.5	40	40	40	40	40
65.0	33	33	33	34	33
67.5	28	28	28	28	28
70.0	24	24	24	24	24
72.5	20	20	20	20	20
75.0	17	17	17	17	16
77.5	14	14	14	14	14
80.0	11	11	11	11	11
82.5	8	8	8	8	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	144.60	N.A.	17.20
0-30	302.26	N.A.	35.90
0-40	493.59	N.A.	58.60
0-60	784.47	N.A.	93.10
0-80	836.79	N.A.	99.30
0-90	842.36	N.A.	100.00
10-90	804.00	N.A.	95.40
20-40	348.99	N.A.	41.40
20-50	540.86	N.A.	64.20
40-70	325.17	N.A.	38.60
60-80	52.32	N.A.	6.20
70-80	18.03	N.A.	2.10
80-90	5.58	N.A.	0.70
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	842.36	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	38.36
10-20	106.24
20-30	157.66
30-40	191.33
40-50	191.88
50-60	99.01
60-70	34.28
70-80	18.03
80-90	5.58
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

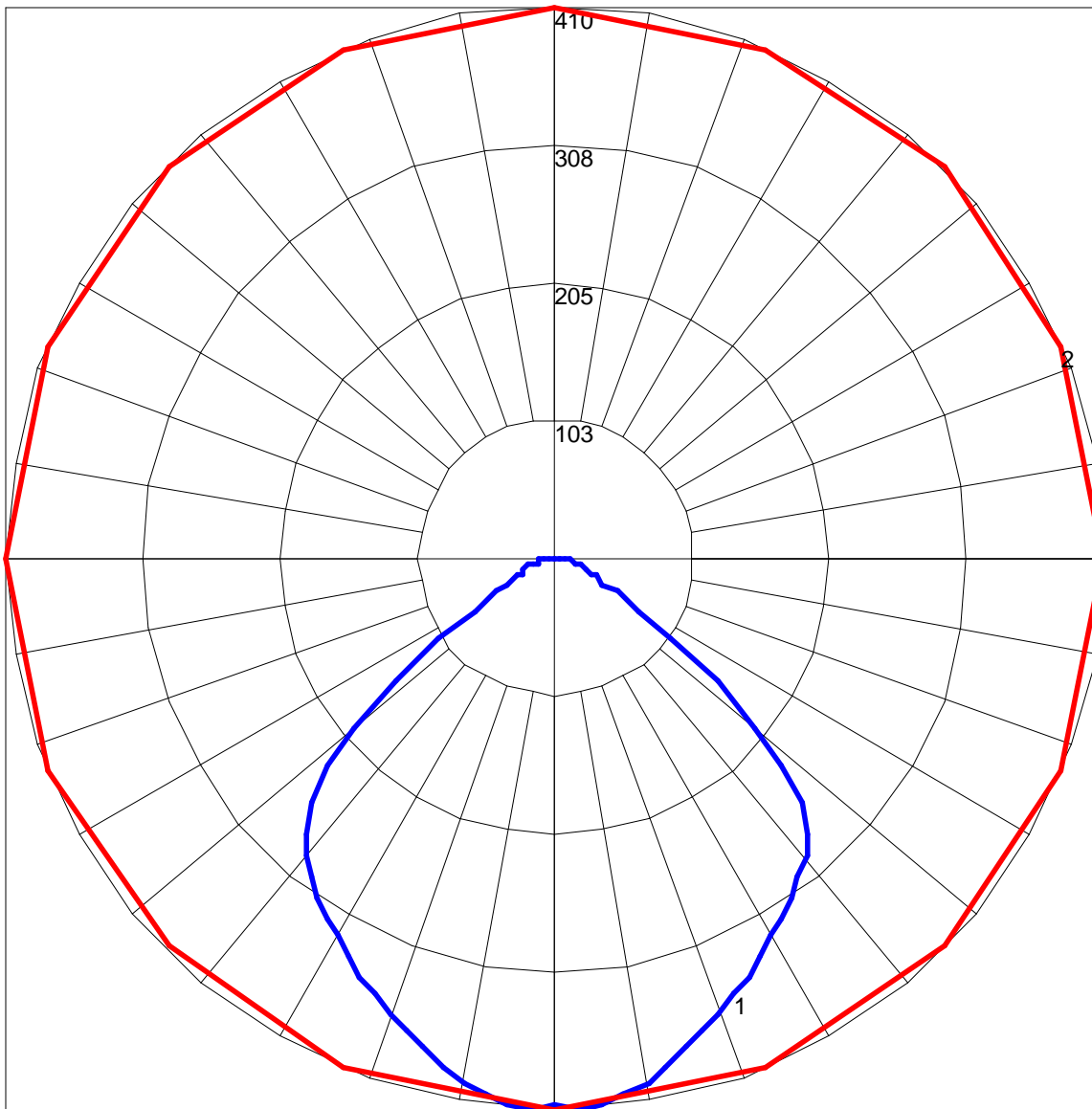
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	107	104	101	108	105	102	99	101	98	96	97	95	93	94	92	90	88
2	103	96	91	86	100	94	89	85	91	87	83	88	84	81	85	82	79	77
3	95	86	79	74	93	85	78	73	82	77	72	79	75	71	77	73	70	68
4	88	78	70	64	86	77	69	64	74	68	63	72	67	62	70	65	62	60
5	82	70	63	57	80	69	62	56	67	61	56	65	60	55	64	59	55	53
6	76	64	56	50	74	63	56	50	61	55	50	60	54	49	58	53	49	47
7	71	58	51	45	69	58	50	45	56	49	44	55	49	44	54	48	44	42
8	66	54	46	40	65	53	46	40	52	45	40	50	44	40	49	44	40	38
9	62	49	42	37	60	49	42	37	48	41	36	47	41	36	46	40	36	34
10	58	46	38	33	57	45	38	33	44	38	33	43	37	33	42	37	33	31

POLAR GRAPH



Maximum Candela = 410 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.)