



**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : PDL6K-LED-08L-30-WH.IES**

**DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002  
[TEST]LED-9897  
[TESTLAB]LSI INDUSTRIES, INC  
[ISSUE DATE]03/16/18  
[TEST DATE]03/16/18  
[MANUFACTURER]LSI INDUSTRIES, INC  
[LUMEN CATEGORY]PDL6K-LED-08L-30-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	827
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	67
Total Luminaire Watts	12.3
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.28
Spacing Criterion (90-270)	1.28
Spacing Criterion (Diagonal)	1.40
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	19751	19596	19441
55	10122	10122	10122
65	4665	4536	4536
75	3809	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>
<b>0.0</b>	371	371	371	371	371
<b>2.5</b>	371	371	372	372	372
<b>5.0</b>	370	370	371	371	372
<b>7.5</b>	367	368	368	368	368
<b>10.0</b>	364	364	364	364	364
<b>12.5</b>	360	360	360	359	360
<b>15.0</b>	355	355	355	355	355
<b>17.5</b>	349	349	349	350	350
<b>20.0</b>	344	344	344	345	345
<b>22.5</b>	337	337	337	338	338
<b>25.0</b>	332	331	332	332	332
<b>27.5</b>	324	324	324	324	324
<b>30.0</b>	316	316	316	316	316
<b>32.5</b>	307	307	307	307	308
<b>35.0</b>	299	298	299	299	299
<b>37.5</b>	291	291	291	290	290
<b>40.0</b>	283	283	282	281	281
<b>42.5</b>	272	272	271	270	270
<b>45.0</b>	255	254	253	251	251
<b>47.5</b>	227	226	226	224	225
<b>50.0</b>	193	191	192	191	191
<b>52.5</b>	148	148	148	149	148
<b>55.0</b>	106	106	106	107	106
<b>57.5</b>	76	76	76	75	76
<b>60.0</b>	57	56	56	56	55
<b>62.5</b>	44	44	44	43	43
<b>65.0</b>	36	36	35	35	35
<b>67.5</b>	30	30	30	30	30
<b>70.0</b>	25	24	25	25	25
<b>72.5</b>	20	20	20	20	20
<b>75.0</b>	18	17	17	17	17
<b>77.5</b>	15	15	15	14	14
<b>80.0</b>	11	11	11	11	11
<b>82.5</b>	8	8	8	8	8
<b>85.0</b>	5	5	5	5	5
<b>87.5</b>	2	2	2	2	2
<b>90.0</b>	0	0	0	0	0

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**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	135.38	N.A.	16.40
0-30	288.13	N.A.	34.80
0-40	475.47	N.A.	57.50
0-60	766.05	N.A.	92.60
0-80	821.30	N.A.	99.30
0-90	826.87	N.A.	100.00
10-90	791.71	N.A.	95.70
20-40	340.10	N.A.	41.10
20-50	530.04	N.A.	64.10
40-70	327.46	N.A.	39.60
60-80	55.25	N.A.	6.70
70-80	18.37	N.A.	2.20
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	826.87	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	35.16
10-20	100.22
20-30	152.75
30-40	187.34
40-50	189.95
50-60	100.63
60-70	36.88
70-80	18.37
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

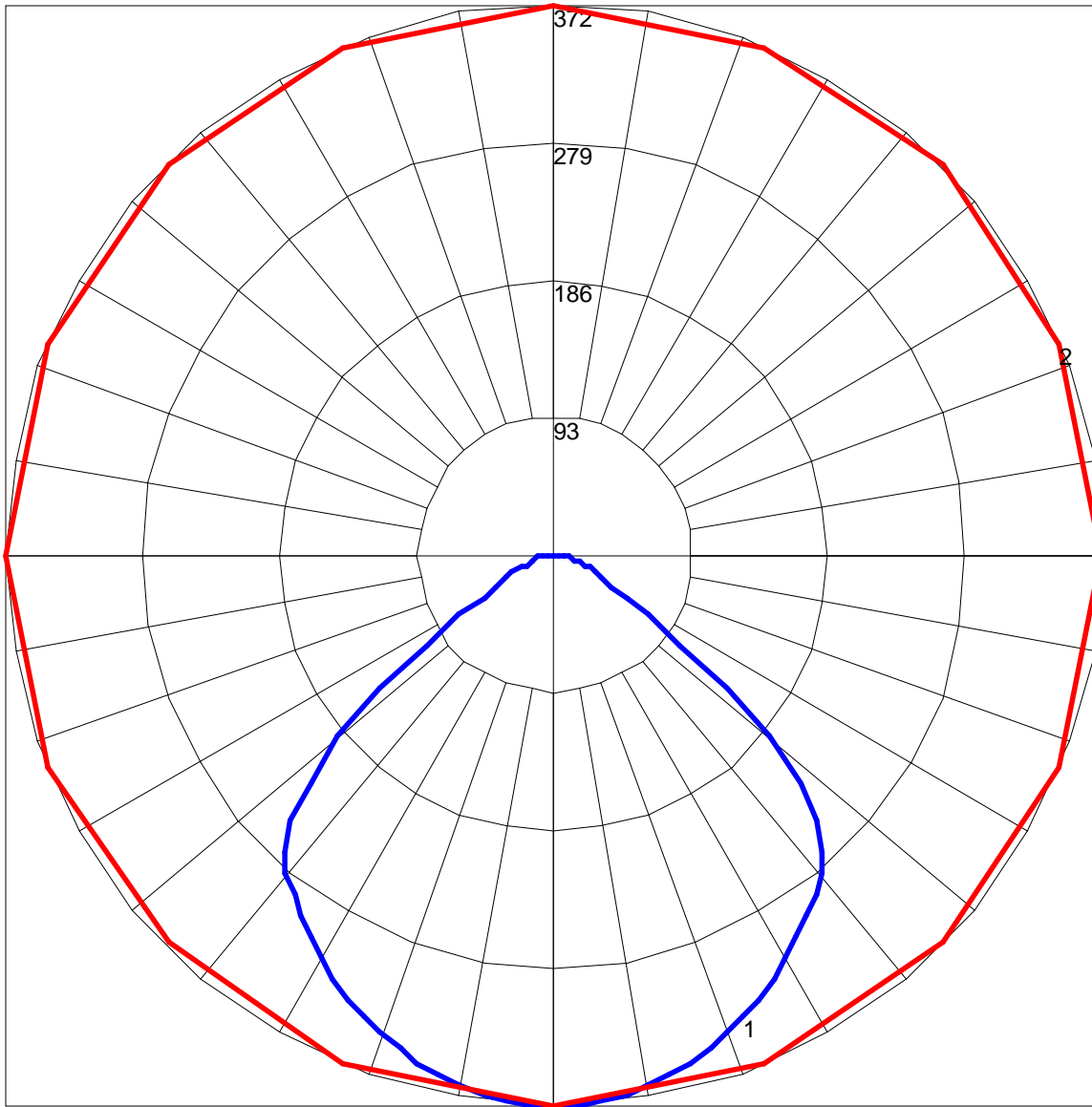
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**COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD**

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	93	92	90	88
2	103	96	90	85	100	94	89	84	91	86	82	87	84	81	84	82	79	77
3	95	86	79	73	93	84	78	73	82	76	72	79	74	70	76	73	69	67
4	88	77	70	64	86	76	69	63	74	67	63	71	66	62	69	65	61	59
5	81	70	62	56	79	69	61	56	67	60	55	65	59	55	63	58	54	52
6	75	63	55	50	74	62	55	49	61	54	49	59	53	49	58	52	48	46
7	70	58	50	44	69	57	49	44	56	49	44	54	48	43	53	47	43	41
8	65	53	45	40	64	52	45	40	51	44	39	50	44	39	49	43	39	37
9	61	49	41	36	60	48	41	36	47	40	36	46	40	35	45	39	35	34
10	57	45	38	33	56	45	37	33	44	37	32	43	37	32	42	36	32	31

POLAR GRAPH



Maximum Candela = 372 Located At Horizontal Angle = 45, Vertical Angle = 2.5  
# 1 - Vertical Plane Through Horizontal Angles (45 - 225) (Through Max. Cd.)  
# 2 - Horizontal Cone Through Vertical Angle (2.5) (Through Max. Cd.)