



IES INDOOR REPORT
PHOTOMETRIC FILENAME : PDL6K-ADJ-LED-09L-30.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST]LED-9896
[TESTLAB]LSI INDUSTRIES, INC
[ISSUE DATE]03/16/18
[TEST DATE]03/16/18
[MANUFACTURER]LSI INDUSTRIES, INC
[LUMEN CATEGORY]PDL6K-ADJ-LED-09L-30
[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	916
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	78
Total Luminaire Watts	11.8
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.16
Spacing Criterion (90-270)	1.14
Spacing Criterion (Diagonal)	1.26
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	18434	18047	18202
55	9358	9358	9262
65	6480	6480	6480
75	4867	4867	5079
85	5027	5027	5027

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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	487	487	487	487	487
2.5	489	488	487	486	486
5.0	485	484	482	481	482
7.5	476	474	472	472	472
10.0	462	460	459	458	456
12.5	445	444	442	440	439
15.0	433	431	429	426	425
17.5	422	419	417	415	415
20.0	411	410	407	407	406
22.5	403	402	400	398	397
25.0	394	393	390	389	388
27.5	385	384	382	381	379
30.0	375	374	371	370	370
32.5	363	363	359	359	358
35.0	350	349	346	344	343
37.5	332	330	328	325	324
40.0	308	306	304	301	301
42.5	276	275	272	270	271
45.0	238	236	233	232	235
47.5	194	195	193	192	193
50.0	156	156	155	154	155
52.5	124	123	122	122	122
55.0	98	99	98	98	97
57.5	81	82	81	81	81
60.0	68	69	68	68	68
62.5	59	59	58	58	58
65.0	50	50	50	49	50
67.5	43	43	42	42	42
70.0	35	35	35	35	35
72.5	29	29	29	29	29
75.0	23	24	23	23	24
77.5	19	19	18	19	18
80.0	15	15	15	15	15
82.5	12	12	12	12	12
85.0	8	8	8	8	8
87.5	3	3	3	3	3
90.0	0	0	0	0	0

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	166.58	N.A.	18.20
0-30	346.96	N.A.	37.90
0-40	561.68	N.A.	61.30
0-60	832.12	N.A.	90.90
0-80	907.39	N.A.	99.10
0-90	915.68	N.A.	100.00
10-90	870.38	N.A.	95.10
20-40	395.09	N.A.	43.10
20-50	573.51	N.A.	62.60
40-70	320.40	N.A.	35.00
60-80	75.26	N.A.	8.20
70-80	25.31	N.A.	2.80
80-90	8.30	N.A.	0.90
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	915.68	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	45.30
10-20	121.29
20-30	180.38
30-40	214.71
40-50	178.42
50-60	92.03
60-70	49.95
70-80	25.31
80-90	8.30
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

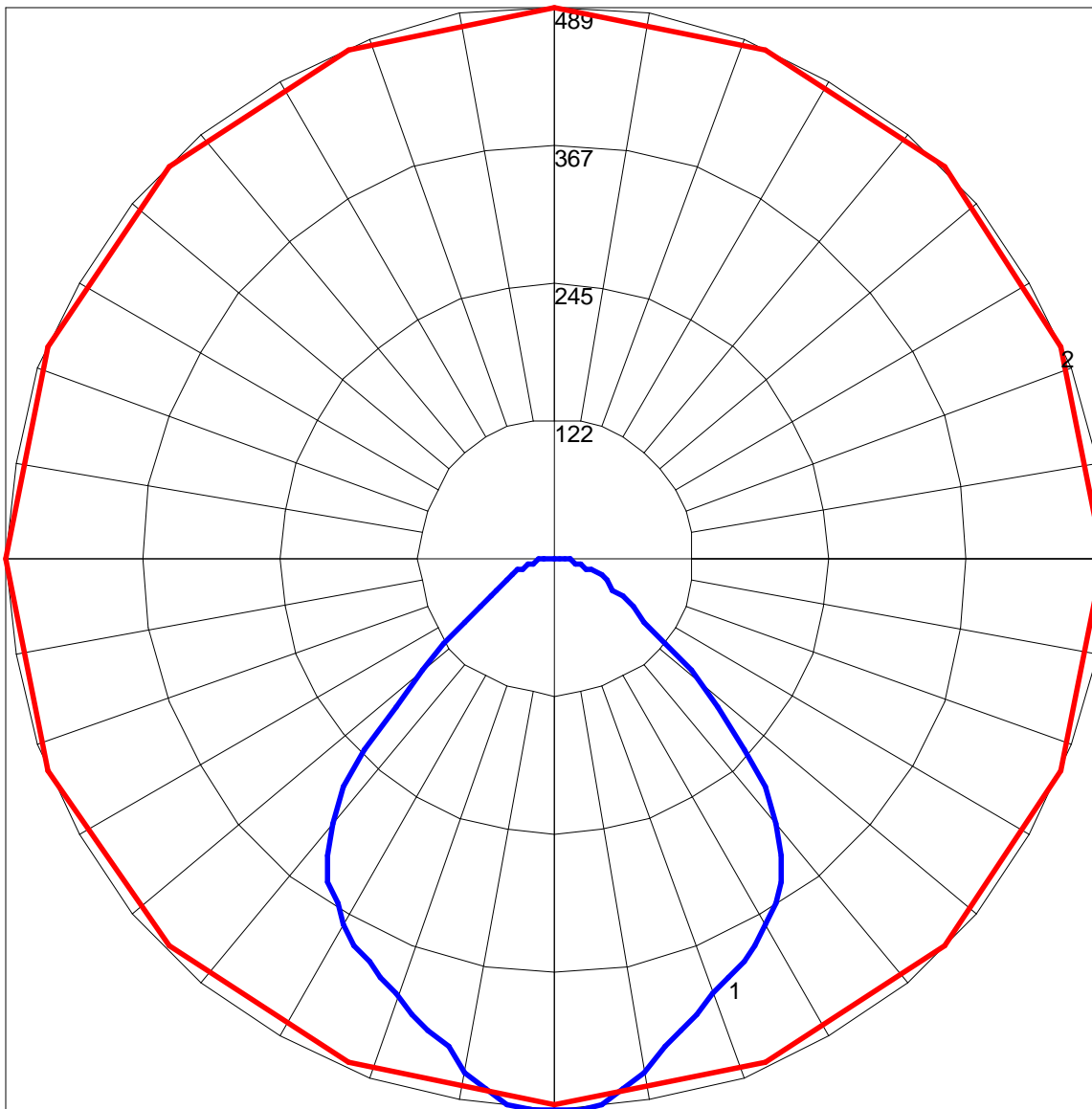
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	103	100	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	83	87	84	81	85	82	79	77
3	95	86	79	74	93	85	78	73	82	76	72	79	75	71	77	73	70	68
4	88	78	70	65	86	77	70	64	74	68	63	72	67	62	70	65	62	60
5	82	71	63	57	80	70	62	57	68	61	56	66	60	56	64	59	55	53
6	76	64	56	51	74	63	56	51	62	55	50	60	54	50	59	53	49	48
7	71	59	51	46	69	58	51	45	57	50	45	55	49	45	54	49	45	43
8	66	54	47	41	65	54	46	41	52	46	41	51	45	41	50	45	40	39
9	62	50	43	38	61	50	42	37	48	42	37	47	41	37	46	41	37	35
10	59	46	39	34	57	46	39	34	45	39	34	44	38	34	43	38	34	32

POLAR GRAPH



Maximum Candela = 489 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.)