



IES INDOOR REPORT

PHOTOMETRIC FILENAME : P9030-LED35-SO-FWA.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST] L031511001
 [TESTLAB] LIGHT LABORATORY, INC.
 [ISSUE DATE] 4/6/2015
 [MANUFACT] PRUDENTIAL LTG.
 [LUMCAT] P9030-LED35-SO-FWA
 [LUMINAIRE] 37-3/4"DIA. X 4"H. LED LUMINAIRE
 [MORE] NO LENS
 [BALLASTCAT] OSRAM OPTOTRONIC OT50W/PRG1400C/UNV/DIM/L (TWO DRIVERS)
 [BALLAST] INPUT: 120-277VAC, 0.52-0.24A, 50/60Hz. OUTPUT: 50W, 10-55VDC, 400-1400mA
 [LAMPPOSITION] 0,0
 [LAMPCAT] N/A
 [OTHER] INDICATING THE CANDELA VALUES ARE ABSOLUTE AND
 [MORE] SHOULD NOT BE FACTORED FOR DIFFERENT LAMP RATINGS.
 [INPUT] 120VAC, 112.58W
 [TEST PROCEDURE] IESNA:LM-79-08

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	9000
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	80
Total Luminaire Watts	112.58
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.26
Spacing Criterion (90-270)	1.26
Spacing Criterion (Diagonal)	1.36
Basic Luminous Shape	Circular
Luminous Length (0-180)	2.96 ft (Diameter)
Luminous Width (90-270)	2.96 ft (Diameter)
Luminous Height	0.00 ft

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LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	4910	4910	4910
55	4292	4292	4292
65	3589	3589	3589
75	2409	2409	2409
85	1710	1710	1710

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CANDELA TABULATION

	0
0	3439.051
5	3424.668
10	3374.706
15	3295.221
20	3186.970
25	3053.738
30	2900.067
35	2713.088
40	2490.530
45	2221.795
50	1918.995
55	1575.317
60	1296.741
65	970.474
70	676.001
75	398.939
80	188.493
85	95.382
90	0.000

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	1255.17	N.A.	13.90
0-30	2663.16	N.A.	29.60
0-40	4357.92	N.A.	48.40
0-60	7490.8	N.A.	83.20
0-80	8897.02	N.A.	98.90
0-90	9000.27	N.A.	100.00
10-90	8674.98	N.A.	96.40
20-40	3102.75	N.A.	34.50
20-50	4811.99	N.A.	53.50
40-70	4100.94	N.A.	45.60
60-80	1406.21	N.A.	15.60
70-80	438.15	N.A.	4.90
80-90	103.25	N.A.	1.10
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	9000.27	N.A.	100.00

Total Luminaire Efficiency = N.A.%

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	325.29
10-20	929.88
20-30	1407.99
30-40	1694.76
40-50	1709.23
50-60	1423.65
60-70	968.06
70-80	438.15
80-90	103.25
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

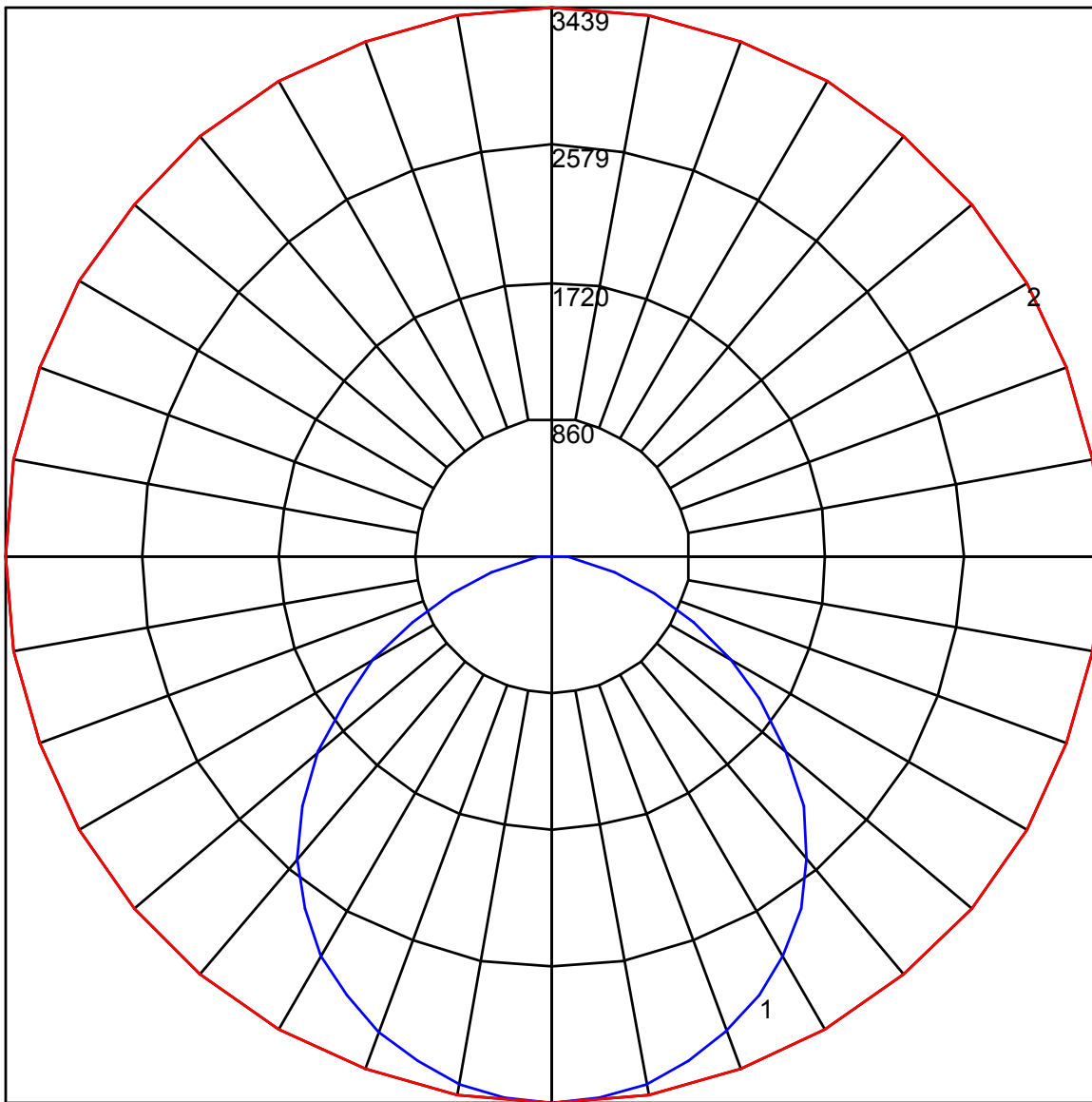
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	110	105	101	98	107	103	99	96	99	96	93	95	92	90	91	89	87	85
2	100	92	86	80	98	90	85	79	87	82	78	84	80	76	81	77	74	72
3	92	81	74	67	89	80	73	67	77	71	66	74	69	65	72	67	63	61
4	84	72	64	58	82	71	63	57	69	62	56	66	60	56	64	59	55	53
5	77	65	56	50	75	64	56	49	62	54	49	60	53	48	58	52	48	46
6	72	59	50	44	70	58	49	43	56	48	43	54	48	43	53	47	42	40
7	66	53	45	39	65	52	44	38	51	43	38	49	43	38	48	42	38	36
8	62	49	40	34	60	48	40	34	47	39	34	45	39	34	44	38	34	32
9	58	45	37	31	56	44	36	31	43	36	31	42	35	31	41	35	30	29
10	54	41	33	28	53	41	33	28	40	33	28	39	32	28	38	32	28	26

POLAR GRAPH



Maximum Candela = 3439.051 Located At Horizontal Angle = 0, Vertical Angle = 0

1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)

2 - Horizontal Cone Through Vertical Angle (0) (Through Max. Cd.)