



IES INDOOR REPORT

PHOTOMETRIC FILENAME : P8960-LED35-HO.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST] L041411805
 [TESTLAB] LIGHT LABORATORY, INC.
 [ISSUE DATE] 5/14/2014
 [MANUFAC] PRUDENTIAL LIGHTING
 [LUMCAT] P8960-LED35-HO
 [LUMINAIRE] 48"SQ. X 7-5/8"H. LED LUMINAIRE
 [MORE] DIFFUSED LENS
 [BALLASTCAT] OSRAM OPTOTRONIC OT
 [BALLAST] INPUT: 120-277VAC
 [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
 [TEST PROCEDURE] IESNA:LM-79-08

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	34994
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	70
Total Luminaire Watts	500
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.26
Spacing Criterion (90-270)	1.26
Spacing Criterion (Diagonal)	1.38
Basic Luminous Shape	Circular
Luminous Length (0-180)	3.83 ft (Diameter)
Luminous Width (90-270)	3.83 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	10629	10629	10629
55	10155	10155	10155
65	9671	9671	9671
75	8610	8610	8610
85	7613	7613	7613

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CANDELA TABULATION

	0
0	12333.298
5	12262.760
10	12078.276
15	11785.272
20	11378.322
25	10879.130
30	10293.122
35	9620.298
40	8871.510
45	8052.184
50	7173.172
55	6239.900
60	5360.888
65	4378.782
70	3374.972
75	2387.440
80	1486.724
85	710.806
90	0.000

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	4489.37	N.A.	12.80
0-30	9503.13	N.A.	27.20
0-40	15520.74	N.A.	44.40
0-60	27328.74	N.A.	78.10
0-80	34202.6	N.A.	97.70
0-90	34994.34	N.A.	100.00
10-90	33829.55	N.A.	96.70
20-40	11031.37	N.A.	31.50
20-50	17241.44	N.A.	49.30
40-70	16139.04	N.A.	46.10
60-80	6873.85	N.A.	19.60
70-80	2542.82	N.A.	7.30
80-90	791.75	N.A.	2.30
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	34994.34	N.A.	100.00

Total Luminaire Efficiency = N.A.%

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	1164.79
10-20	3324.58
20-30	5013.76
30-40	6017.61
40-50	6210.07
50-60	5597.94
60-70	4331.03
70-80	2542.82
80-90	791.75
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

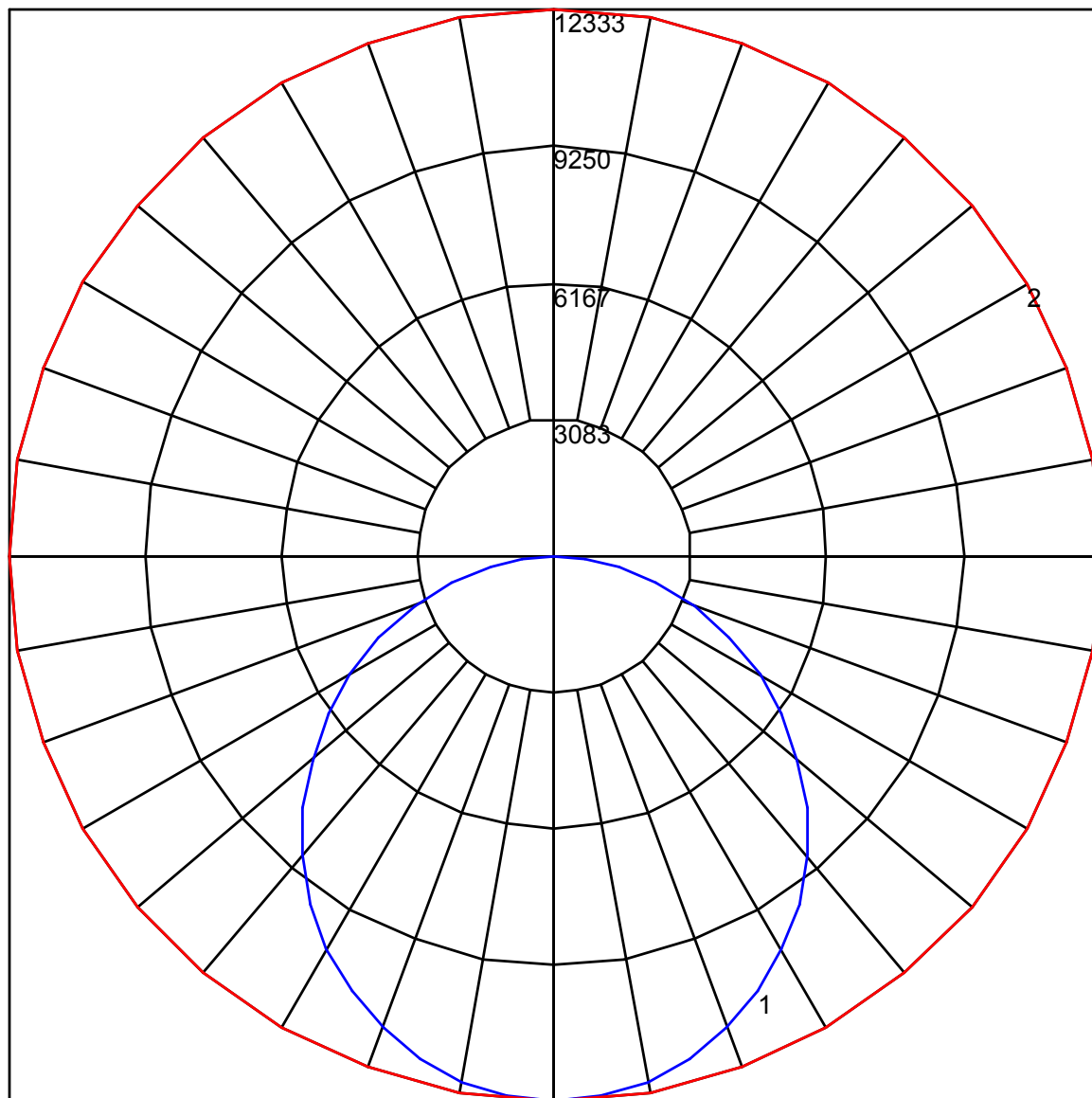
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	108	104	99	95	106	101	97	94	97	94	91	93	90	88	90	87	85	83
2	99	90	83	77	96	88	82	76	85	79	75	81	77	73	78	75	71	69
3	90	79	71	64	87	77	70	64	74	68	62	72	66	61	69	64	60	58
4	82	70	61	54	80	69	60	54	66	59	53	64	58	52	62	56	52	50
5	76	63	53	47	73	61	53	46	59	52	46	57	51	45	55	50	45	43
6	70	56	47	41	68	55	47	41	53	46	40	52	45	40	50	44	39	37
7	65	51	42	36	63	50	42	36	49	41	36	47	40	35	46	40	35	33
8	60	47	38	32	59	46	38	32	44	37	32	43	36	32	42	36	31	29
9	56	43	34	29	55	42	34	29	41	34	29	40	33	28	39	33	28	26
10	53	39	31	26	51	39	31	26	38	31	26	37	30	26	36	30	26	24

POLAR GRAPH



Maximum Candela = 12333.298 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.)