



IES INDOOR REPORT

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

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST] L031511001
 [TESTLAB] LIGHT LABORATORY, INC.
 [ISSUEDATE] 4/6/2015
 [MANUFAC] PRUDENTIAL LTG.
 [LUMCAT] P9030-TU-SO-FWA
 [LUMINAIRE] 37-3/4"DIA. X 4"H. LED LUMINAIRE
 [MORE] NO LENS
 [BALLASTCAT] OSRAM OPTOTRONIC
 [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	9155
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	81
Total Luminaire Watts	113
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	4995	4995	4995
55	4366	4366	4366
65	3650	3650	3650
75	2450	2450	2450
85	1740	1740	1740

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CANDELA TABULATION

	<u>0</u>
0	3498.11
5	3483.48
10	3432.66
15	3351.81
20	3241.70
25	3106.18
30	2949.87
35	2759.68
40	2533.30
45	2259.95
50	1951.95
55	1602.37
60	1319.01
65	987.14
70	687.61
75	405.79
80	191.73
85	97.02
90	0.00

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	1276.72	N.A.	13.90
0-30	2708.9	N.A.	29.60
0-40	4432.76	N.A.	48.40
0-60	7619.44	N.A.	83.20
0-80	9049.81	N.A.	98.90
0-90	9154.83	N.A.	100.00
10-90	8823.96	N.A.	96.40
20-40	3156.04	N.A.	34.50
20-50	4894.62	N.A.	53.50
40-70	4171.37	N.A.	45.60
60-80	1430.36	N.A.	15.60
70-80	445.68	N.A.	4.90
80-90	105.03	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	9154.83	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	330.87
10-20	945.85
20-30	1432.17
30-40	1723.87
40-50	1738.59
50-60	1448.1
60-70	984.69
70-80	445.68
80-90	105.03
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

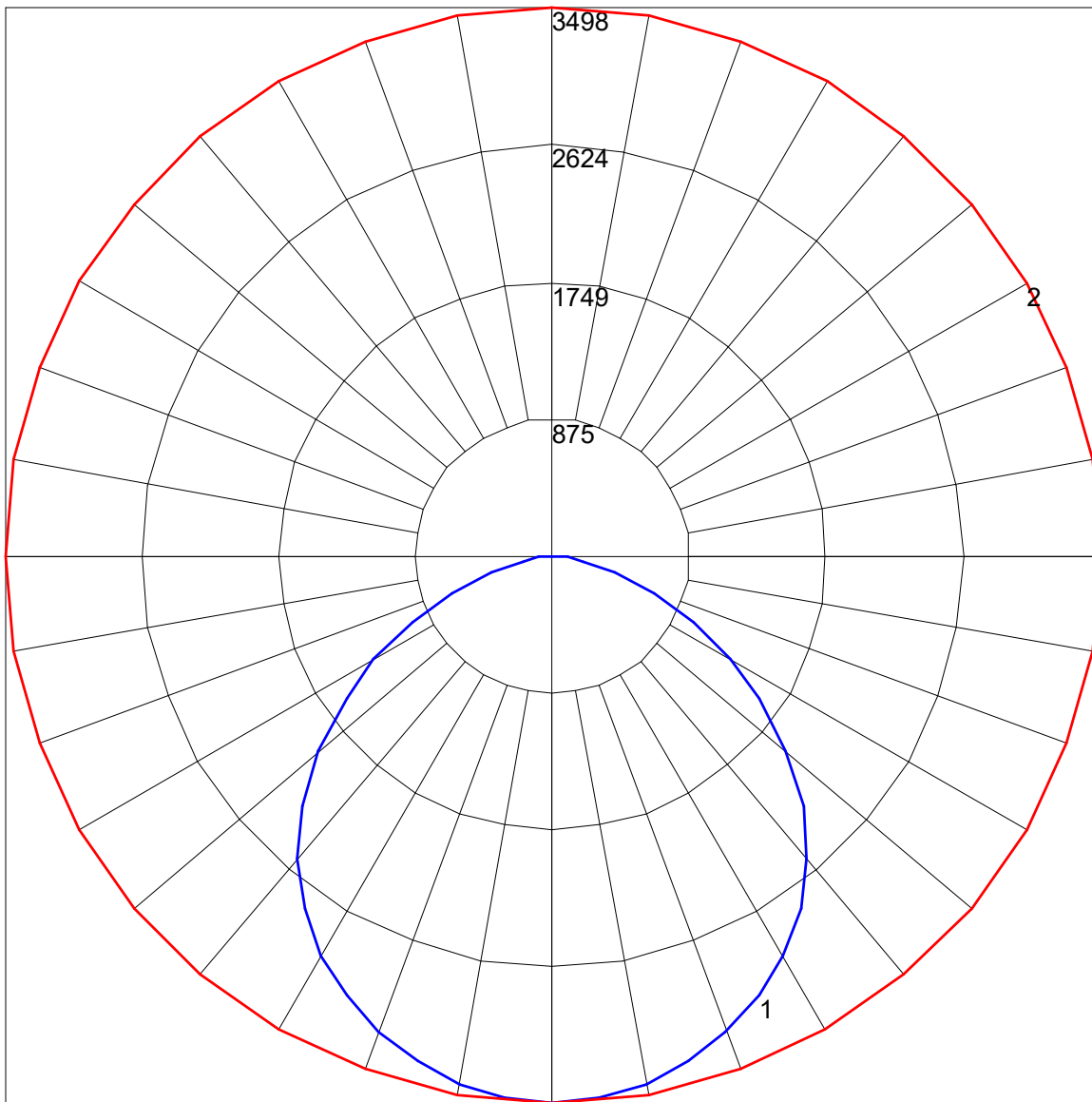
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	84	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	36	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 = 3498.11 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.)