



## IES INDOOR REPORT

PHOTOMETRIC FILENAME : P9040-TU-LO-FWA.IES

### DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002  
[TEST] L041411805  
[TESTLAB]  
[ISSUE DATE]  
[MANUFAC] PRUDENTIAL LIGHTING  
[LUMCAT] P9040-TU-LO-FWA  
[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	7017
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	80
Total Luminaire Watts	88
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	2131	2131	2131
55	2036	2036	2036
65	1939	1939	1939
75	1726	1726	1726
85	1526	1526	1526

CANDELA TABULATION

	<u>0</u>
0	2473.024
5	2458.880
10	2421.888
15	2363.136
20	2281.536
25	2181.440
30	2063.936
35	1929.024
40	1778.880
45	1614.592
50	1438.336
55	1251.200
60	1074.944
65	878.016
70	676.736
75	478.720
80	298.112
85	142.528
90	0.000

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**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	900.19	N.A.	12.80
0-30	1905.53	N.A.	27.20
0-40	3112.16	N.A.	44.40
0-60	5479.85	N.A.	78.10
0-80	6858.17	N.A.	97.70
0-90	7016.93	N.A.	100.00
10-90	6783.37	N.A.	96.70
20-40	2211.97	N.A.	31.50
20-50	3457.18	N.A.	49.30
40-70	3236.14	N.A.	46.10
60-80	1378.32	N.A.	19.60
70-80	509.88	N.A.	7.30
80-90	158.76	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	7016.93	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	233.56
10-20	666.63
20-30	1005.34
30-40	1206.63
40-50	1245.22
50-60	1122.48
60-70	868.44
70-80	509.88
80-90	158.76
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

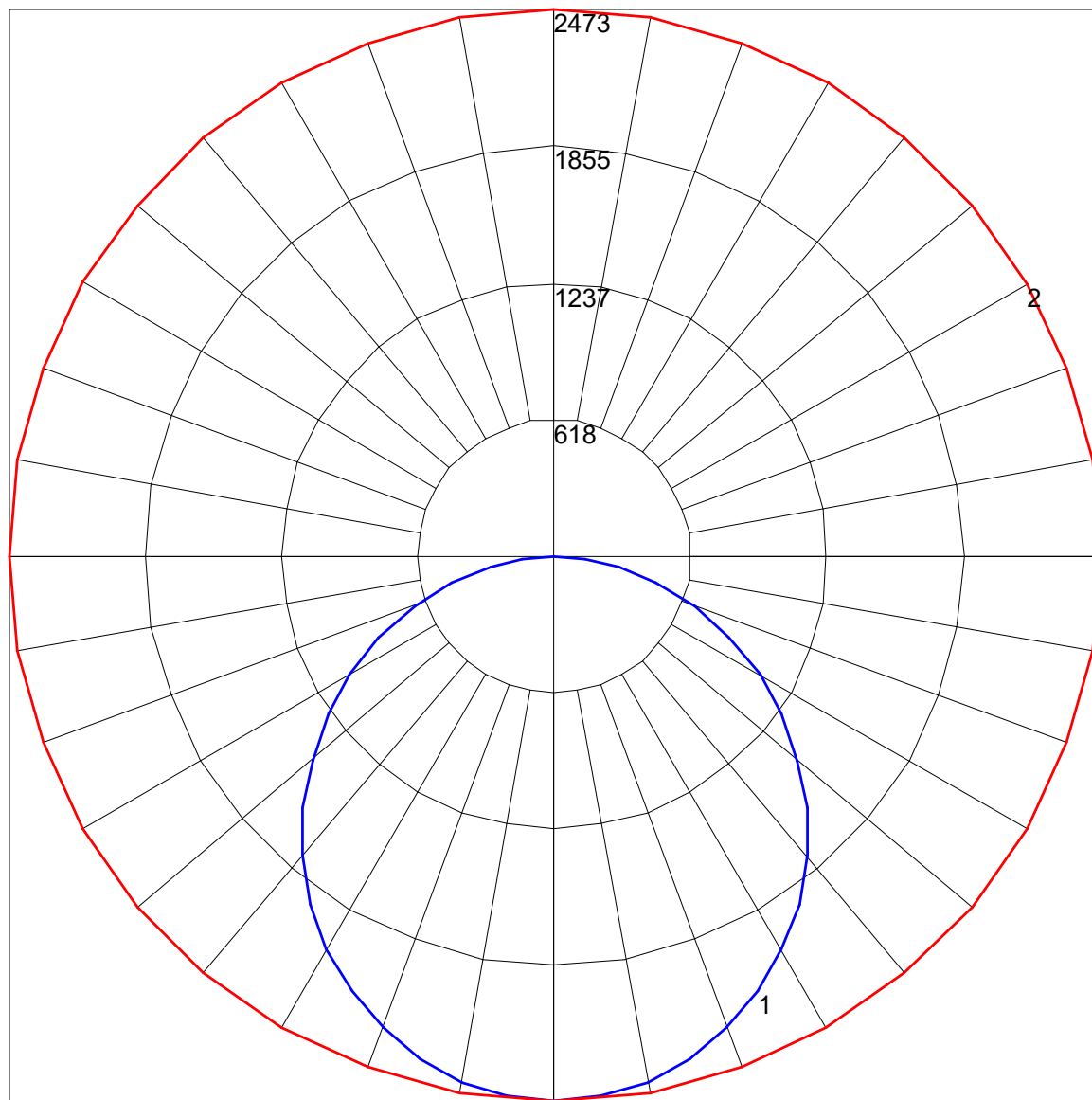
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	62	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 = 2473.024 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.)