IES INDOOR REPORT
PHOTOMETRIC FILENAME : P92448T8PRA.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-1995
[TEST] 15384-4X4
[MANUFAC]PRUDENTIAL LIGHTING 4'X 4' RECESSED FLUORESCENT LUMINAIRE
[LUMCAT] P9244-8T8-PRA
[LUMINAIRE]WITH WHITE INTERIOR AND PRISMATIC LENS
[LAMP]EIGHT PHILIPS 32 WATT T8 LAMPS
[LAMPCAT]F32T8 LUMEN RATING = 2850 LMS.
[OTHER]SYL QT1 AND ONE QT2X32/120 IS-SC BALLAST OPERATING AT 120 VAC AND 272 WATTS

CHARACTERISTICS

Total Rated Lamp Lumens	22800 (8 lamps)
Total Luminaire Efficiency	63.8 %
CIE Type	Direct
Spacing Criteria (0-180)	1.26
Spacing Criteria (90-270)	1.40
Spacing Criteria (Diagonal)	1.40
Basic Luminous Shape	Rectangular
Luminous Length (0-180)	4.00 ft
Luminous Width (90-270)	4.00 ft
Luminous Height	0.00 ft

LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	3239	3673	3836
55	2466	2886	2840
65	1933	1861	1860
75	1643	1308	1599
85	1235	813	534

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CANDELA TABULATION

	0	22.5	45	67.5	90
0	5651.98	5651.98	5651.98	5651.98	5651.98
2.5	5665.48	5655.77	5643.44	5642.5	5632.78
5	5646.05	5633.73	5636.33	5636.33	5632.78
7.5	5626.62	5616.9	5616.9	5632.78	5632.78
10	5581.59	5581.59	5597.47	5629.22	5636.33
12.5	5529.45	5532.05	5578.03	5616.9	5636.33
15	5461.43	5484.42	5532.05	5604.58	5619.51
17.5	5383.69	5412.84	5496.74	5578.03	5613.34
20	5299.79	5338.66	5435.12	5552.44	5584.19
22.5	5200.02	5254.76	5380.37	5519.73	5558.6
25	5080.09	5148.11	5312.35	5468.54	5519.73
27.5	4944.06	5031.51	5223.01	5396.25	5445.55
30	4801.86	4912.3	5131.29	5308.8	5354.54
32.5	4634.06	4769.15	5002.36	5180.82	5219.45
35	4442.56	4591.87	4860.16	5005.91	5057.11
37.5	4212.91	4391.37	4656.1	4817.74	4843.33
40	3977.1	4152	4455.84	4575.05	4633.35
42.5	3695.54	3883.72	4170.49	4294.2	4352.5
45	3407.59	3565.66	3864.28	3977.1	4035.4
47.5	3083.61	3213.48	3502.15	3614.25	3669
50	2702.98	2873.39	3126.03	3217.04	3252.35
52.5	2411.71	2570.74	2806.32	2847.79	2868.17
55	2104.32	2285.39	2462.9	2505.33	2424.04
57.5	1854.52	2013.55	2152.91	2152.91	2062.14
60	1622.26	1738.87	1803.33	1790.06	1693.84
62.5	1428.16	1467.74	1495.94	1482.91	1405.88
65	1215.34	1221.5	1170.31	1214.39	1169.36
67.5	1037.82	1011.28	914.11	1001.56	978.57
70	882.35	852.49	720.01	833.05	842.77
72.5	726.17	712.9	581.36	694.41	712.9
75	632.55	587.52	503.62	564.53	615.73
77.5	531.83	484.19	433	445.32	487.75
80	432.05	367.59	338.44	322.56	341.04
82.5	286.3	257.14	218.51	199.08	179.65
85	160.21	131.77	105.46	78.92	69.2
87.5	24.17	37.45	25.12	27.73	18.01
90	1.18	1.18	1.18	1.18	1.18

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-30	4549.52	20	31.3
0-40	7541.69	33.1	51.9
0-60	12567.98	55.1	86.4
0-90	14539.29	63.8	100
90-120	0	0	0
90-130	0	0	0
90-150	0	0	0
90-180	0	0	0
0-180	14539.29	63.8	100

Total Luminaire Efficiency = 63.8%

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	537.1
10-20	1566.48
20-30	2445.95
30-40	2992.17
40-50	2892.5
50-60	2133.79
60-70	1217.82
70-80	606.7
80-90	146.78
90-100	0
100-110	0
110-120	0
120-130	0
130-140	0
140-150	0
150-160	0
160-170	0
170-180	0

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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	76	76	76	76	74	74	74	74	71	71	71	68	68	68	65	65	65	64
1	70	67	65	63	68	66	64	62	63	61	60	61	59	58	59	57	56	55
2	64	60	56	52	63	58	55	52	56	53	51	54	52	49	52	50	48	47
3	59	53	48	44	58	52	47	44	50	46	43	48	45	42	47	44	42	40
4	54	47	42	38	53	46	42	38	45	41	37	43	40	37	42	39	36	35
5	50	42	37	33	49	42	37	33	40	36	33	39	35	32	38	35	32	31
6	46	38	33	29	45	38	33	29	37	32	29	36	32	28	35	31	28	27
7	43	35	30	26	42	34	29	26	33	29	25	32	28	25	32	28	25	24
8	40	32	27	23	39	31	26	23	31	26	23	30	26	23	29	25	23	21
9	38	29	24	21	37	29	24	21	28	24	21	28	23	21	27	23	20	19
10	35	27	22	19	34	27	22	19	26	22	19	25	22	19	25	21	19	18

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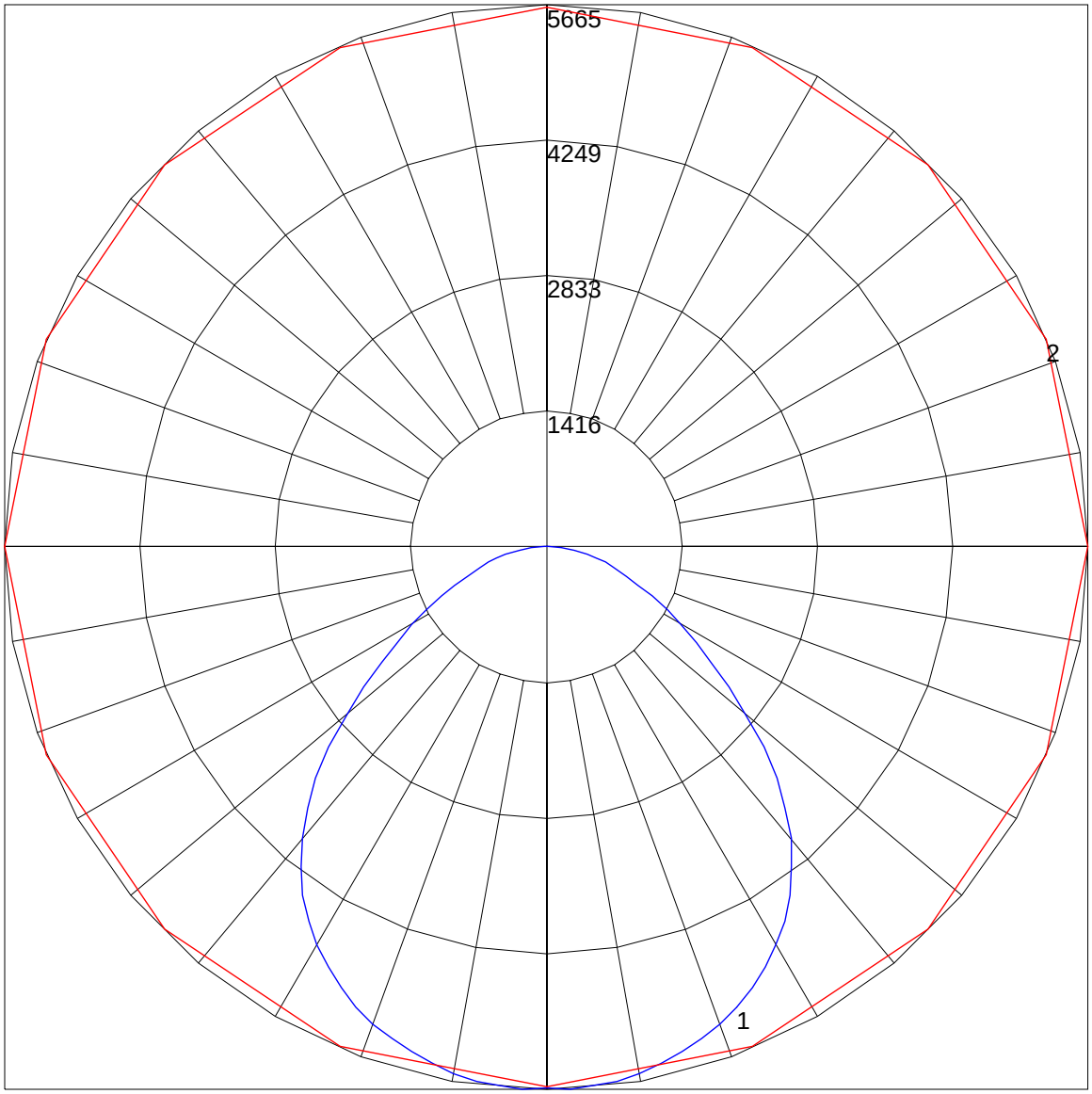
POLAR GRAPH



Maximum Candela = 5665.48 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.)