

IES INDOOR REPORT
PHOTOMETRIC FILENAME : P591T5HO04PR .IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-1995
[TEST] 17286-1T5HO
[MANUFAC]PRUDENTIAL LIGHTING - RECESSED INDIRECT WALL MOUNT LUMINAIRE
[LUMCAT]P59-1T5HO-04-PR
[LUMINAIRE]WHITE INTERIOR WITH PARABOLIC REFLECTOR AND NO LENS
[LAMP]ONE 54 WATT T5 LAMP
[LAMPCAT]F54T5HO. LUMEN RATING = 4500 LMS.
[OTHER]ONE SYLVANIA BALLAST OPERATING AT 120 VAC AND 54 WATTS

CHARACTERISTICS

Total Rated Lamp Lumens	4500
Total Luminaire Efficiency	40.7 %
CIE Type	Direct
Spacing Criteria (0-180)	1.24
Spacing Criteria (90-270)	0.80
Spacing Criteria (Diagonal)	0.74
Basic Luminous Shape	Rectangular
Luminous Length (0-180)	4.00 ft
Luminous Width (90-270)	0.74 ft
Luminous Height	0.00 ft

LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	4393	2321	2284
55	3770	2245	1829
65	2940	1407	769
75	1583	764	686
85	875	625	575

IES INDOOR REPORT
PHOTOMETRIC FILENAME : P591T5HO04PR .IES

CANDELA TABULATION

	<u>0</u>	<u>22.5</u>	<u>45</u>	<u>67.5</u>	<u>90</u>	<u>112.5</u>	<u>135</u>	<u>157.5</u>	<u>180</u>	<u>202.5</u>
0	1453.2	1453.2	1453.2	1453.2	1453.2	1453.2	1453.2	1453.2	1453.2	1453.2
2.5	1456.8	1483.65	1491.15	1504.35	1483.65	1504.35	1491.15	1483.65	1456.8	1438.8
5	1452.6	1496.7	1517.4	1489.65	1505.55	1489.65	1517.4	1496.7	1452.6	1409.7
7.5	1446.75	1500	1495.5	1428.45	1454.7	1428.45	1495.5	1500	1446.75	1375.95
10	1440.15	1483.65	1437.15	1272.6	1320.75	1272.6	1437.15	1483.65	1440.15	1331.1
12.5	1427.85	1450.2	1332.3	1114.05	1127.25	1114.05	1332.3	1450.2	1427.85	1285.8
15	1414.65	1402.2	1166.55	1067.55	1068.75	1067.55	1166.55	1402.2	1414.65	1213.05
17.5	1392.3	1338.15	1086.3	1038.6	1038.6	1038.6	1086.3	1338.15	1392.3	1129.95
20	1364.4	1240.8	1055.7	961.2	962.7	961.2	1055.7	1240.8	1364.4	1017.9
22.5	1330.8	1120.05	1021.2	872.55	866.55	872.55	1021.2	1120.05	1330.8	901.5
25	1293.9	1035.45	960	787.95	785.1	787.95	960	1035.45	1293.9	780.75
27.5	1251.6	978.6	876.9	709.65	712.35	709.65	876.9	978.6	1251.6	655.5
30	1204.95	948	801	645.6	633.75	645.6	801	948	1204.95	527.7
32.5	1154.85	911.85	735.9	572.55	567	572.55	735.9	911.85	1154.85	387.75
35	1101	874.05	668.7	524.4	521.7	524.4	668.7	874.05	1101	281.7
37.5	1045.5	802.65	600.3	495.45	498.6	495.45	600.3	802.65	1045.5	194.25
40	983.85	732.6	527.7	476.7	481.2	476.7	527.7	732.6	983.85	140.25
42.5	920.55	665.85	482.4	460.5	462	460.5	482.4	665.85	920.55	127.05
45	855	603.15	451.8	440.25	444.6	440.25	451.8	603.15	855	120
47.5	789.45	547.95	425.55	411.15	409.65	411.15	425.55	547.95	789.45	115.65
50	725.55	486.75	406.8	363.15	365.85	363.15	406.8	486.75	725.55	104.1
52.5	659.1	424.35	382.2	328.2	329.7	328.2	382.2	424.35	659.1	99.75
55	595.2	360.3	354.45	288.75	288.75	288.75	354.45	360.3	595.2	96.9
57.5	533.4	322.2	309.15	235.2	217.65	235.2	309.15	322.2	533.4	95.25
60	469.2	294.75	269.7	160.95	160.95	160.95	269.7	294.75	469.2	92.55
62.5	404.4	269.7	229.2	124.35	121.5	124.35	229.2	269.7	404.4	86.55
65	342	239.55	163.65	85.05	89.4	85.05	163.65	239.55	342	82.2
67.5	282.3	205.8	118.8	75	76.2	75	118.8	205.8	282.3	80.55
70	225.6	166.5	79.35	66.3	67.5	66.3	79.35	166.5	225.6	76.2
72.5	166.65	127.05	63.15	53.25	58.8	53.25	63.15	127.05	166.65	70.65
75	112.8	79.35	54.45	45.6	48.9	45.6	54.45	79.35	112.8	63.15
77.5	71.25	45.6	44.4	35.7	36.9	35.7	44.4	45.6	71.25	53.25
80	53.85	34.2	34.2	27	31.35	27	34.2	34.2	53.85	42.9
82.5	38.55	22.65	23.85	19.5	23.85	19.5	23.85	22.65	38.55	29.7
85	21	12.3	15	7.95	13.8	7.95	15	12.3	21	21
87.5	7.05	1.95	7.95	0.75	6.3	0.75	7.95	1.95	7.05	10.65
90	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75

Vert.
Angles

Horizontal Angles

	<u>225</u>	<u>247.5</u>	<u>270</u>	<u>292.5</u>	<u>315</u>	<u>337.5</u>	<u>360</u>
0	1453.2	1453.2	1453.2	1453.2	1453.2	1453.2	1453.2
2.5	1406.55	1399.35	1352.85	1399.35	1406.55	1438.8	1456.8
5	1344.15	1313.55	1230.6	1313.55	1344.15	1409.7	1452.6
7.5	1248	1175.25	1022.25	1175.25	1248	1375.95	1446.75
10	1107	954	783.9	954	1107	1331.1	1440.15
12.5	933.75	756.15	518.85	756.15	933.75	1285.8	1427.85
15	742.95	460.5	274.05	460.5	742.95	1213.05	1414.65
17.5	541.95	269.7	163.65	269.7	541.95	1129.95	1392.3
20	330.9	157.65	148.95	157.65	330.9	1017.9	1364.4
22.5	216.15	150.6	144.6	150.6	216.15	901.5	1330.8
25	148.95	147.75	131.55	147.75	148.95	780.75	1293.9
27.5	143.4	134.7	135.9	134.7	143.4	655.5	1251.6
30	144.6	134.7	137.4	134.7	144.6	527.7	1204.95

IES INDOOR REPORT
PHOTOMETRIC FILENAME : P591T5HO04PR .IES

CANDELA TABULATION - (Cont.)

32.5	131.55	137.4	140.25	137.4	131.55	387.75	1154.85
35	128.7	139.05	141.75	139.05	128.7	281.7	1101
37.5	125.85	141.75	141.75	141.75	125.85	194.25	1045.5
40	128.7	141.75	144.6	141.75	128.7	140.25	983.85
42.5	125.85	141.75	148.95	141.75	125.85	127.05	920.55
45	128.7	143.4	148.95	143.4	128.7	120	855
47.5	125.85	146.25	150.6	146.25	125.85	115.65	789.45
50	124.35	146.25	147.75	146.25	124.35	104.1	725.55
52.5	127.05	143.4	139.05	143.4	127.05	99.75	659.1
55	124.35	137.4	133.05	137.4	124.35	96.9	595.2
57.5	124.35	128.7	121.5	128.7	124.35	95.25	533.4
60	115.65	120	111.15	120	115.65	92.55	469.2
62.5	108.45	108.45	101.25	108.45	108.45	86.55	404.4
65	96.9	96.9	90.9	96.9	96.9	82.2	342
67.5	85.05	86.55	82.2	86.55	85.05	80.55	282.3
70	77.85	76.2	67.5	76.2	77.85	76.2	225.6
72.5	63.15	66.3	54.45	66.3	63.15	70.65	166.65
75	51.6	54.45	44.4	54.45	51.6	63.15	112.8
77.5	42.9	42.9	40.05	42.9	42.9	53.25	71.25
80	31.35	35.7	32.55	35.7	31.35	42.9	53.85
82.5	25.35	28.2	29.7	28.2	25.35	29.7	38.55
85	16.65	22.65	18.3	22.65	16.65	21	21
87.5	7.95	12.3	9.45	12.3	7.95	10.65	7.05
90	0.75	0.75	0.75	0.75	0.75	0.75	0.75

IES INDOOR REPORT
PHOTOMETRIC FILENAME : P591T5HO04PR .IES

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-30	741.6	16.5	40.5
0-40	1059.13	23.5	57.8
0-60	1592.53	35.4	86.9
0-90	1832.19	40.7	100
90-120	0	0	0
90-130	0	0	0
90-150	0	0	0
90-180	0	0	0
0-180	1832.19	40.7	100

Total Luminaire Efficiency = 40.7%

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	130.74
10-20	286.53
20-30	324.34
30-40	317.53
40-50	292.73
50-60	240.67
60-70	151.31
70-80	69.57
80-90	18.78
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

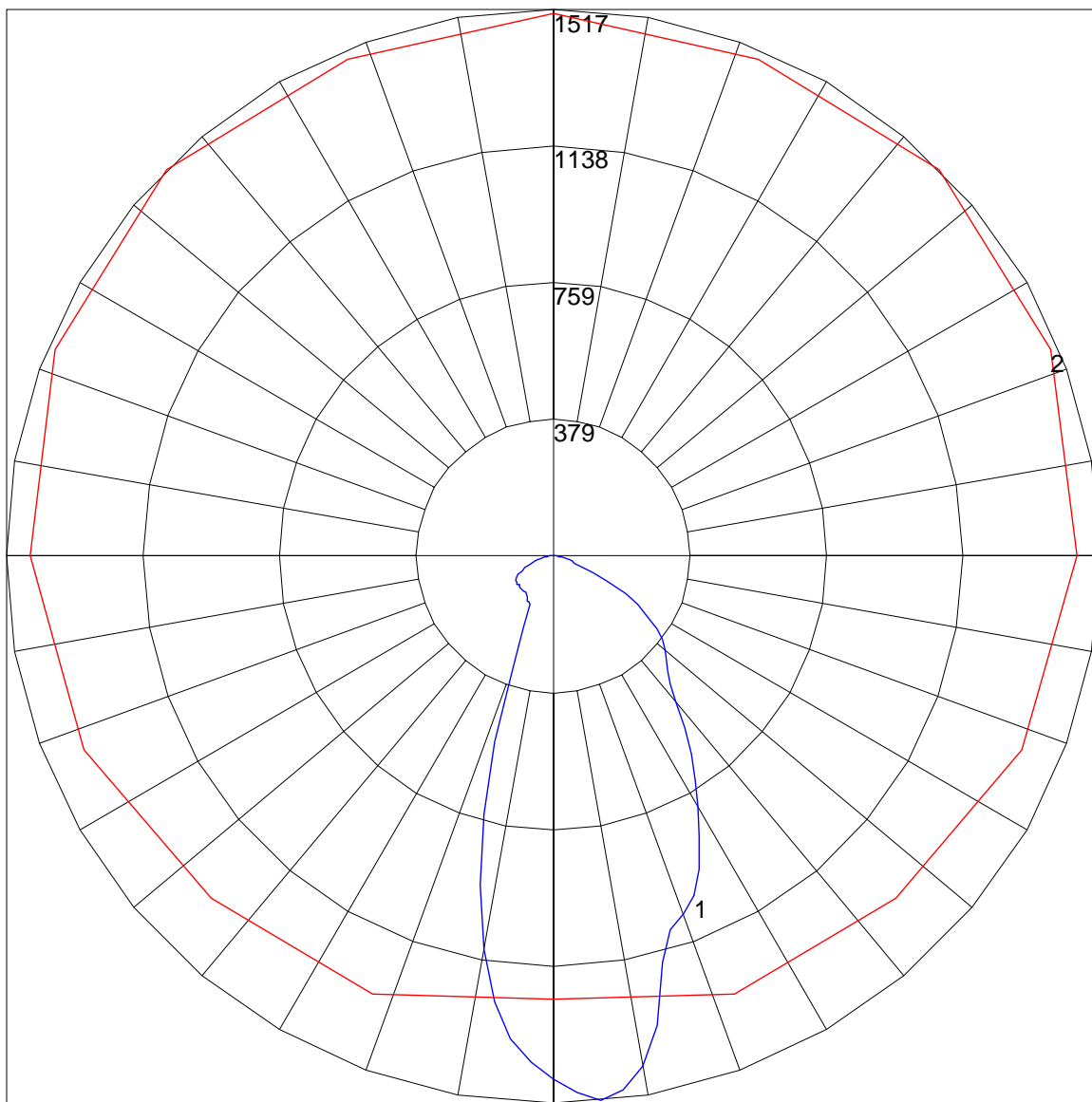
IES INDOOR REPORT
 PHOTOMETRIC FILENAME : P591T5HO04PR .IES

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	48	48	48	48	47	47	47	47	45	45	45	43	43	43	42	42	42	41
1	45	43	42	41	44	42	41	40	41	40	39	39	38	37	38	37	36	36
2	42	39	36	34	41	38	36	34	37	35	33	35	34	32	34	33	32	31
3	38	35	32	29	37	34	31	29	33	31	29	32	30	28	31	29	28	27
4	36	31	28	26	35	31	28	26	30	27	25	29	27	25	28	26	25	24
5	33	28	25	23	32	28	25	23	27	25	22	26	24	22	26	24	22	21
6	31	26	23	20	30	26	23	20	25	22	20	24	22	20	24	22	20	19
7	29	24	21	18	28	24	21	18	23	20	18	22	20	18	22	20	18	17
8	27	22	19	17	27	22	19	17	21	19	17	21	18	17	20	18	17	16
9	26	21	18	15	25	20	17	15	20	17	15	20	17	15	19	17	15	15
10	24	19	16	14	24	19	16	14	19	16	14	18	16	14	18	16	14	13

POLAR GRAPH



Maximum Candela = 1517.4 Located At Horizontal Angle = 45, Vertical Angle = 5
1 - Vertical Plane Through Horizontal Angles (45 - 225) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (5) (Through Max. Cd.)