



**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : S1-2T5-SAL.IES**

**DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002  
 [TEST] LLI 0110-0301 - 2T5  
 [TESTLAB] LIGHT LABORATORY INC  
 [ISSUE DATE] 01/06/2010  
 [MANUFAC] PRUDENTIAL LIGHTING  
 [LUMCAT] S1-2T5-04-SAL-YGW  
 [LUMINAIRE] 48-1/4"L. X 2-13/32"W. X 3-1/8"H. LINEAR FLUORESCENT LUMINAIRE  
 [MORE] WHITE REFLECTOR WITH FROAST ACRYLIC LENS  
 [BALLASTCAT] UNIVERSAL LIGHT TECHNOLOGIES B228PUNV-C  
 [BALLAST] 120 TO 277VA 50/60Hz ELECTRONIC  
 [LAMPPOSITION] 0.90  
 [LAMPCAT] GE F28W/T5/830/ECO  
 [ LAMPLUM] 2750  
 [ INPUT] 120VAC

**CHARACTERISTICS**

Lumens Per Lamp	2750 (2 lamps)
Total Lamp Lumens	5500
Luminaire Lumens	4795
Total Luminaire Efficiency	87 %
Luminaire Efficacy Rating (LER)	86
Total Luminaire Watts	56
Ballast Factor	1.00
CIE Type	Semi-Direct
Spacing Criteria (0-180)	1.16
Spacing Criteria (90-270)	1.54
Spacing Criteria (Diagonal)	1.52
Basic Luminous Shape	Rectangular w/Sides
Luminous Length (0-180)	4.00 ft
Luminous Width (90-270)	0.20 ft
Luminous Height	0.13 ft

**LUMINANCE DATA (cd/sq.m)**

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	8584	8848	9805
55	8452	8701	10185
65	6161	8704	10619
75	4370	8438	10994
85	31207	7663	11475

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CANDELA TABULATION

	<u>0.0</u>	<u>22.5</u>	<u>45.0</u>	<u>67.5</u>	<u>90.0</u>
<b>0</b>	862.10	862.10	862.10	862.10	862.10
<b>5</b>	856.55	860.25	867.65	875.05	880.60
<b>15</b>	808.45	826.95	856.55	880.60	891.70
<b>25</b>	717.80	758.50	815.85	863.95	882.45
<b>35</b>	597.55	664.15	756.65	834.35	865.80
<b>45</b>	466.20	558.70	690.05	804.75	851.00
<b>55</b>	377.40	451.40	627.15	775.15	838.05
<b>65</b>	207.20	303.40	556.85	727.05	799.20
<b>75</b>	94.35	197.95	455.10	656.75	725.20
<b>85</b>	277.50	166.50	323.75	562.40	627.15
<b>90</b>	253.45	149.85	296.00	518.00	577.20
<b>95</b>	234.95	138.75	273.80	468.05	527.25
<b>105</b>	192.40	118.40	262.70	379.25	425.50
<b>115</b>	155.40	98.05	210.90	296.00	329.30
<b>125</b>	61.05	79.55	164.65	225.70	247.90
<b>135</b>	31.45	74.00	125.80	172.05	186.85
<b>145</b>	16.65	40.70	96.20	125.80	136.90
<b>155</b>	18.50	27.75	64.75	85.10	94.35
<b>165</b>	20.35	24.05	33.30	46.25	48.10
<b>175</b>	20.35	20.35	22.20	22.20	22.20
<b>180</b>	0.00	0.00	0.00	0.00	0.00

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**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-30	495.88	9.00	10.30
0-40	922.01	16.80	19.20
0-60	1966.08	35.70	41.00
0-90	3628.1	66.00	75.70
90-120	741.61	13.50	15.50
90-130	916.10	16.70	19.10
90-150	1104.23	20.10	23.00
90-180	1166.47	21.20	24.30
0-180	4794.57	87.20	100.00

Total Luminaire Efficiency = 87.20%

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	20.68
10-20	163.69
20-30	311.50
30-40	426.13
40-50	501.51
50-60	542.57
60-70	539.69
70-80	490.16
80-90	632.17
90-100	180.77
100-110	314.27
110-120	246.57
120-130	174.49
130-140	115.93
140-150	72.20
150-160	39.26
160-170	17.41
170-180	5.58

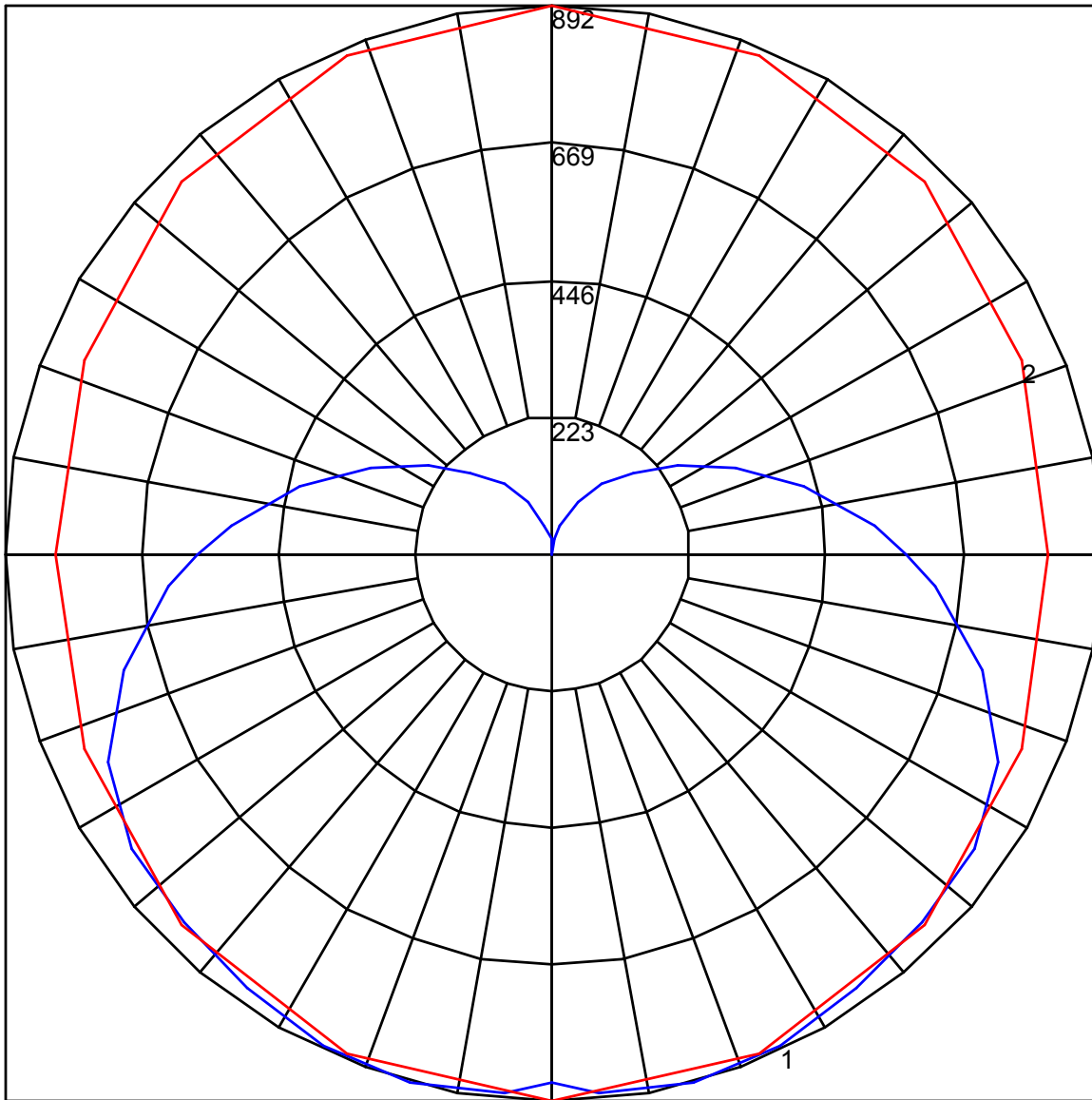
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**COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD**

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	99	99	99	99	94	94	94	94	85	85	85	77	77	77	69	69	69	66
1	85	79	73	68	80	75	70	65	67	63	59	60	57	54	53	51	48	45
2	76	66	59	52	71	63	56	50	56	51	46	50	45	41	44	41	37	34
3	68	57	49	42	64	54	46	40	48	42	37	43	38	33	38	34	30	27
4	62	50	41	34	58	47	39	33	42	35	30	37	32	27	33	28	25	22
5	56	44	35	28	53	41	33	27	37	30	25	33	27	23	29	25	21	18
6	52	39	30	24	48	37	29	23	33	26	21	30	24	19	26	21	18	15
7	48	35	27	21	45	33	25	20	30	23	18	27	21	17	24	19	15	13
8	44	31	24	18	41	30	23	17	27	21	16	24	19	15	22	17	13	11
9	41	29	21	16	38	27	20	15	25	18	14	22	17	13	20	15	12	10
10	38	26	19	14	36	25	18	14	23	17	12	20	15	11	18	14	10	9

POLAR GRAPH



Maximum Candela = 891.7 Located At Horizontal Angle = 90, Vertical Angle = 15  
# 1 - Vertical Plane Through Horizontal Angles (90 - 270) (Through Max. Cd.)  
# 2 - Horizontal Cone Through Vertical Angle (15) (Through Max. Cd.)