



## IES INDOOR REPORT

PHOTOMETRIC FILENAME : P40-LED4-LO-NS-D2.IES

### DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002  
 [TEST] LLI 0308-08D  
 [TESTLAB] LIGHT LABORATORY INC  
 [ISSUE DATE] 4/1/2008  
 [MANUFAC] PRUDENTIAL LIGHTING  
 [LUMCAT] D2  
 [LUMINAIRE] 48-1/4"L. X 4"W. X 4" H. INDIRECT LUMINAIRE  
 [MORE] WHITE REFLECTOR  
 [BALLASTCAT]  
 [BALLAST]  
 [LAMPPOSITION]  
 [LAMPCAT]  
 [\_LAMPLUM]  
 [\_INPUT] 120VAC

### CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	2009
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	100
Total Luminaire Watts	20
Ballast Factor	1.00
CIE Type	Indirect
Spacing Criterion (0-180)	N.A.
Spacing Criterion (90-270)	N.A.
Spacing Criterion (Diagonal)	N.A.
Basic Luminous Shape	Rectangular
Luminous Length (0-180)	4.00 ft
Luminous Width (90-270)	0.31 ft
Luminous Height	0.00 ft

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

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	0	0	0
55	0	0	0
65	0	0	0
75	0	0	0
85	0	0	0

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**CANDELA TABULATION**

	<b>0.0</b>	<b>22.5</b>	<b>45.0</b>	<b>67.5</b>	<b>90.0</b>
<b>0</b>	0.00	0.00	0.00	0.00	0.00
<b>5</b>	0.00	0.00	0.00	0.00	0.00
<b>15</b>	0.00	0.00	0.00	0.00	0.00
<b>25</b>	0.00	0.00	0.00	0.00	0.00
<b>35</b>	0.00	0.00	0.00	0.00	0.00
<b>45</b>	0.00	0.00	0.00	0.00	0.00
<b>55</b>	0.00	0.00	0.00	0.00	0.00
<b>65</b>	0.00	0.00	0.00	0.00	0.00
<b>75</b>	0.00	0.00	0.00	0.00	0.00
<b>85</b>	0.00	0.00	0.00	0.00	0.00
<b>90</b>	0.00	0.00	0.00	0.00	0.00
<b>95</b>	31.50	46.62	47.04	46.20	45.78
<b>105</b>	135.24	163.80	162.96	157.08	154.98
<b>115</b>	242.34	282.24	283.50	273.42	268.38
<b>125</b>	342.30	381.36	394.80	384.30	377.58
<b>135</b>	430.50	461.58	478.80	474.18	469.14
<b>145</b>	504.84	528.36	542.64	540.12	537.60
<b>155</b>	559.44	575.40	580.44	574.98	571.62
<b>165</b>	601.02	608.58	601.02	585.06	578.76
<b>175</b>	619.92	618.66	598.92	576.24	567.84
<b>180</b>	585.90	585.90	585.90	585.90	585.90

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**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	0.00	N.A.	0.00
0-30	0.00	N.A.	0.00
0-40	0.00	N.A.	0.00
0-60	0.00	N.A.	0.00
0-80	0.00	N.A.	0.00
0-90	0.00	N.A.	0.00
10-90	0.00	N.A.	0.00
20-40	0.00	N.A.	0.00
20-50	0.00	N.A.	0.00
40-70	0.00	N.A.	0.00
60-80	0.00	N.A.	0.00
70-80	0.00	N.A.	0.00
80-90	0.00	N.A.	0.00
90-110	121.08	N.A.	6.00
90-120	342.80	N.A.	17.10
90-130	652.83	N.A.	32.50
90-150	1359.52	N.A.	67.70
90-180	2009.44	N.A.	100.00
110-180	1888.36	N.A.	94.00
0-180	2009.44	N.A.	100.00

Total Luminaire Efficiency = N.A.%

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	0.00
10-20	0.00
20-30	0.00
30-40	0.00
40-50	0.00
50-60	0.00
60-70	0.00
70-80	0.00
80-90	0.00
90-100	12.22
100-110	108.86
110-120	221.72
120-130	310.03
130-140	354.98
140-150	351.71
150-160	303.15
160-170	219.18
170-180	127.59

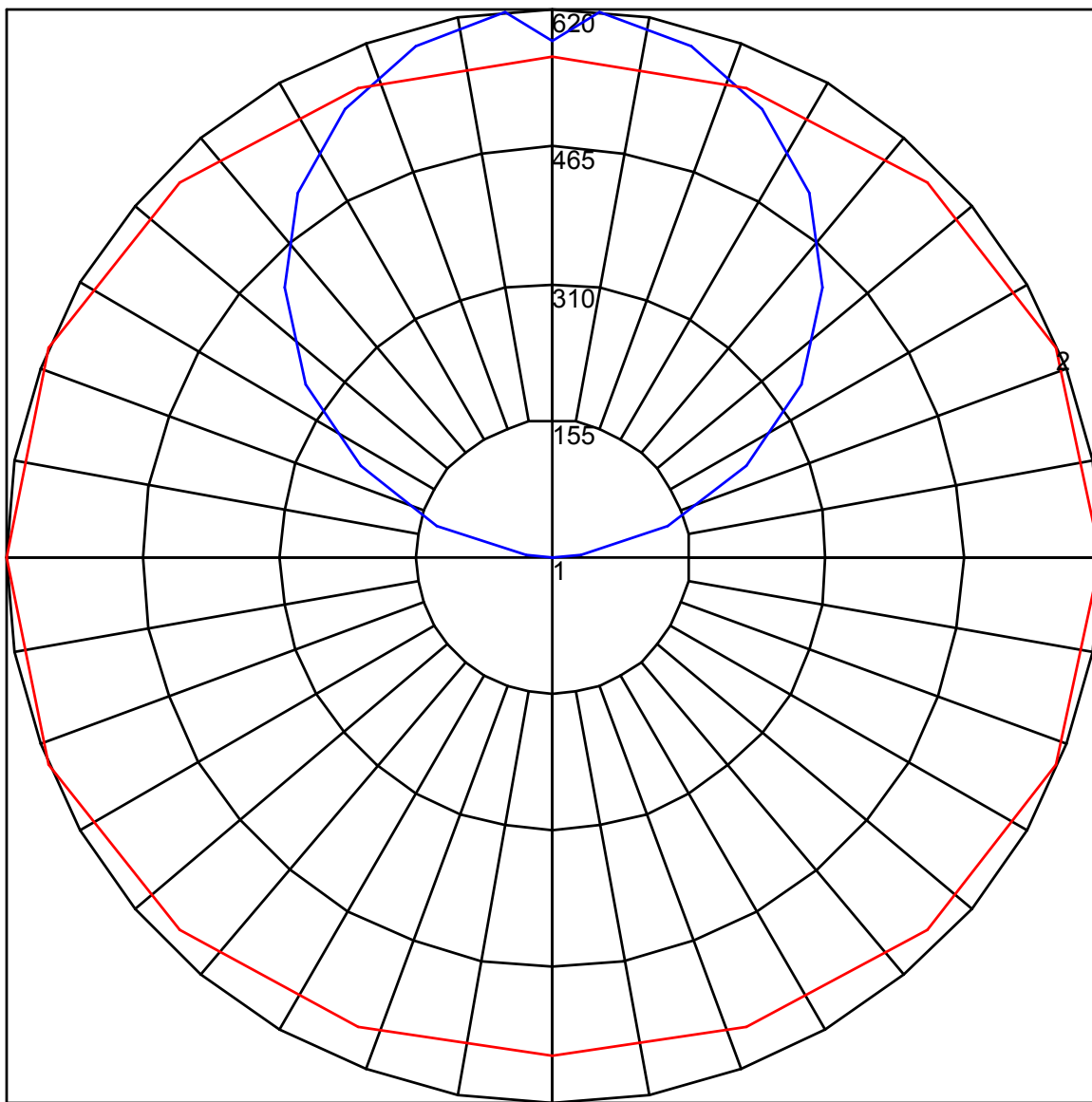
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**COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD**

Effective Floor Cavity Reflectance 0.20

RC RW	80				70				50			30			10			0
	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	
0	95	95	95	95	81	81	81	81	56	56	56	32	32	32	10	10	10	0
1	87	83	79	76	74	71	68	65	48	47	45	28	27	26	9	9	8	0
2	79	72	66	62	67	62	57	53	42	40	37	24	23	22	8	7	7	0
3	72	63	56	51	61	54	49	44	37	34	31	21	20	18	7	6	6	0
4	65	56	48	43	56	48	42	37	33	29	26	19	17	16	6	6	5	0
5	60	49	42	36	51	42	36	32	29	25	22	17	15	13	5	5	4	0
6	55	44	36	31	47	38	32	27	26	22	19	15	13	11	5	4	4	0
7	50	39	32	27	43	34	28	23	23	19	17	14	11	10	4	4	3	0
8	47	35	28	23	40	30	24	20	21	17	14	12	10	9	4	3	3	0
9	43	32	25	20	37	28	22	18	19	15	13	11	9	8	4	3	3	0
10	40	29	22	18	34	25	19	16	17	14	11	10	8	7	3	3	2	0

POLAR GRAPH



Maximum Candela = 619.92 Located At Horizontal Angle = 0, Vertical Angle = 175  
# 1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)  
# 2 - Horizontal Cone Through Vertical Angle (175) (Through Max. Cd.)