



## IES INDOOR REPORT

PHOTOMETRIC FILENAME : P4040-LED35-LO-FWA-D1.IES

### DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002  
 [TEST]359809  
 [TESTLAB]UL Verification Services  
 [ISSUE DATE]11/ 1/2013  
 [MANUFAC]Prudential Lighting Group  
 [LUMCAT]P4040-LED35-LO-FWA-D1  
 [LUMINAIRE]N/A  
 [LAMP]N/A  
 [LAMPCAT]  
 [OTHER]120.0V

### CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	8130
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	92
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)	0.00 ft
Luminous Width (90-270)	3.83 ft (Diameter)
Luminous Height	0.00 ft

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

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	2476	2476	2476
55	2386	2386	2386
65	2255	2255	2255
75	2064	2064	2064
85	1726	1726	1726

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CANDELA TABULATION

	<u>0</u>
0.0	2806.2
2.5	2803.2
5.0	2793.7
7.5	2778.8
10.0	2757.6
12.5	2730.1
15.0	2697.5
17.5	2658.0
20.0	2612.6
22.5	2562.0
25.0	2504.8
27.5	2442.9
30.0	2375.6
32.5	2303.8
35.0	2226.7
37.5	2144.4
40.0	2058.5
42.5	1968.9
45.0	1875.4
47.5	1777.9
50.0	1676.9
52.5	1572.5
55.0	1466.1
57.5	1357.4
60.0	1246.9
62.5	1134.3
65.0	1021.0
67.5	907.4
70.0	794.3
72.5	682.4
75.0	572.4
77.5	464.8
80.0	359.4
82.5	257.8
85.0	161.2
87.5	72.2
90.0	10.0

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**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	1026.74	N.A.	12.60
0-30	2181.12	N.A.	26.80
0-40	3573.71	N.A.	44.00
0-60	6330.00	N.A.	77.90
0-80	7946.1	N.A.	97.70
0-90	8129.99	N.A.	100.00
10-90	7864.45	N.A.	96.70
20-40	2546.98	N.A.	31.30
20-50	3993.07	N.A.	49.10
40-70	3766.71	N.A.	46.30
60-80	1616.1	N.A.	19.90
70-80	605.68	N.A.	7.40
80-90	183.89	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	8129.99	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	265.54
10-20	761.20
20-30	1154.39
30-40	1392.59
40-50	1446.1
50-60	1310.18
60-70	1010.43
70-80	605.68
80-90	183.89
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

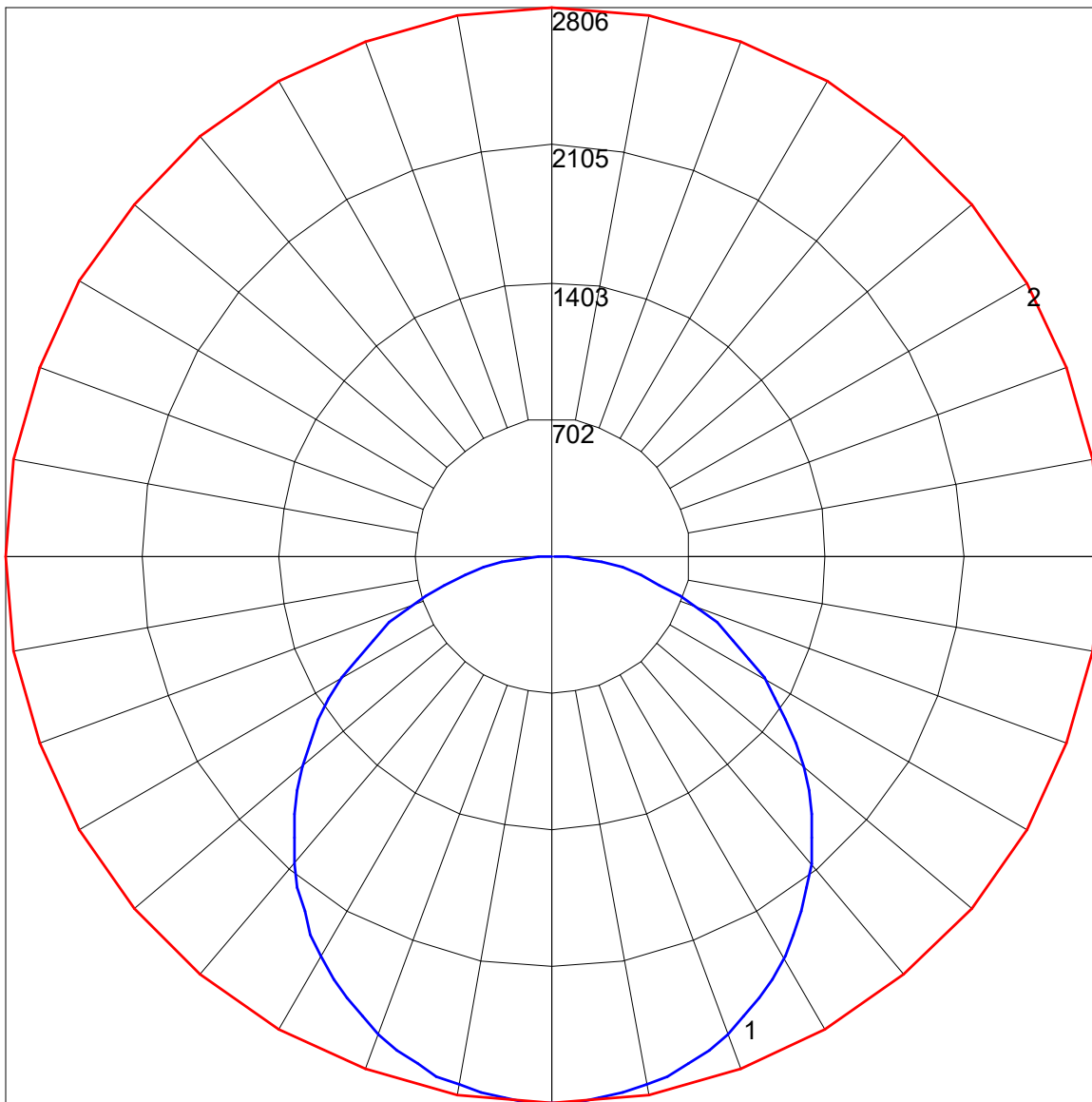
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**COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD**

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	89	87	85	83
2	98	90	83	77	96	88	82	76	85	79	74	81	77	73	78	74	71	69
3	90	79	71	64	87	77	70	63	74	68	62	72	66	61	69	64	60	58
4	82	70	61	54	80	68	60	54	66	59	53	64	57	52	61	56	51	49
5	75	62	53	46	73	61	53	46	59	51	46	57	50	45	55	49	45	43
6	70	56	47	41	68	55	47	40	53	46	40	52	45	40	50	44	39	37
7	64	51	42	36	63	50	42	36	48	41	35	47	40	35	46	39	35	33
8	60	46	38	32	58	46	37	32	44	37	32	43	36	31	42	36	31	29
9	56	43	34	29	55	42	34	29	41	33	28	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 = 2806.2 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.)