



IES INDOOR REPORT

PHOTOMETRIC FILENAME : P4040-LED35-HO-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-HO-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	23170
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	82
Total Luminaire Watts	281
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	7056	7056	7056
55	6800	6800	6800
65	6427	6427	6427
75	5883	5883	5883
85	4920	4920	4920

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CANDELA TABULATION

	<u>0</u>
0.0	7997.670
2.5	7989.120
5.0	7962.045
7.5	7919.580
10.0	7859.160
12.5	7780.785
15.0	7687.875
17.5	7575.300
20.0	7445.910
22.5	7301.700
25.0	7138.680
27.5	6962.265
30.0	6770.460
32.5	6565.830
35.0	6346.095
37.5	6111.540
40.0	5866.725
42.5	5611.365
45.0	5344.890
47.5	5067.015
50.0	4779.165
52.5	4481.625
55.0	4178.385
57.5	3868.590
60.0	3553.665
62.5	3232.755
65.0	2909.850
67.5	2586.090
70.0	2263.755
72.5	1944.840
75.0	1631.340
77.5	1324.680
80.0	1024.290
82.5	734.730
85.0	459.420
87.5	205.770
90.0	28.500

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	2926.2	N.A.	12.60
0-30	6216.2	N.A.	26.80
0-40	10185.08	N.A.	44.00
0-60	18040.49	N.A.	77.90
0-80	22646.38	N.A.	97.70
0-90	23170.47	N.A.	100.00
10-90	22413.68	N.A.	96.70
20-40	7258.88	N.A.	31.30
20-50	11380.26	N.A.	49.10
40-70	10735.12	N.A.	46.30
60-80	4605.9	N.A.	19.90
70-80	1726.18	N.A.	7.40
80-90	524.09	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	23170.47	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	756.79
10-20	2169.41
20-30	3290.00
30-40	3968.88
40-50	4121.38
50-60	3734.03
60-70	2879.72
70-80	1726.18
80-90	524.09
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

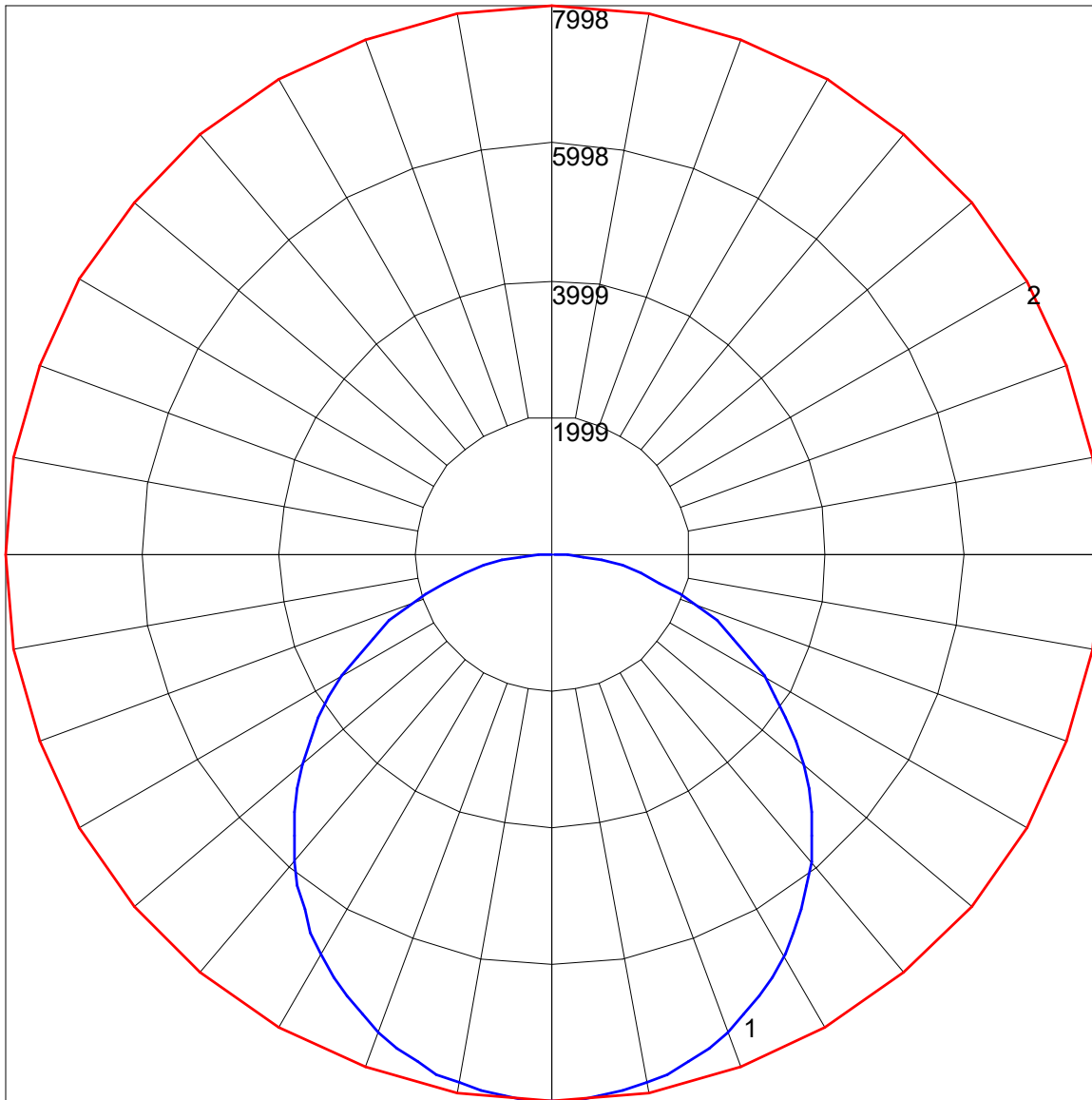
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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 = 7997.67 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.)