



IES INDOOR REPORT

PHOTOMETRIC FILENAME : P4040-LED35-SO-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-SO-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	14878
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	86
Total Luminaire Watts	174
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	4530	4530	4530
55	4366	4366	4366
65	4127	4127	4127
75	3778	3778	3778
85	3159	3159	3159

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CANDELA TABULATION

	<u>0</u>
0.0	5135.346
2.5	5129.856
5.0	5112.471
7.5	5085.204
10.0	5046.408
12.5	4996.083
15.0	4936.425
17.5	4864.140
20.0	4781.058
22.5	4688.460
25.0	4583.784
27.5	4470.507
30.0	4347.348
32.5	4215.954
35.0	4074.861
37.5	3924.252
40.0	3767.055
42.5	3603.087
45.0	3431.982
47.5	3253.557
50.0	3068.727
52.5	2877.675
55.0	2682.963
57.5	2484.042
60.0	2281.827
62.5	2075.769
65.0	1868.430
67.5	1660.542
70.0	1453.569
72.5	1248.792
75.0	1047.492
77.5	850.584
80.0	657.702
82.5	471.774
85.0	294.996
87.5	132.126
90.0	18.300

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	1878.93	N.A.	12.60
0-30	3991.46	N.A.	26.80
0-40	6539.9	N.A.	44.00
0-60	11583.89	N.A.	77.90
0-80	14541.36	N.A.	97.70
0-90	14877.88	N.A.	100.00
10-90	14391.94	N.A.	96.70
20-40	4660.97	N.A.	31.30
20-50	7307.33	N.A.	49.10
40-70	6893.08	N.A.	46.30
60-80	2957.47	N.A.	19.90
70-80	1108.39	N.A.	7.40
80-90	336.52	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	14877.88	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	485.94
10-20	1392.99
20-30	2112.53
30-40	2548.44
40-50	2646.36
50-60	2397.64
60-70	1849.08
70-80	1108.39
80-90	336.52
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

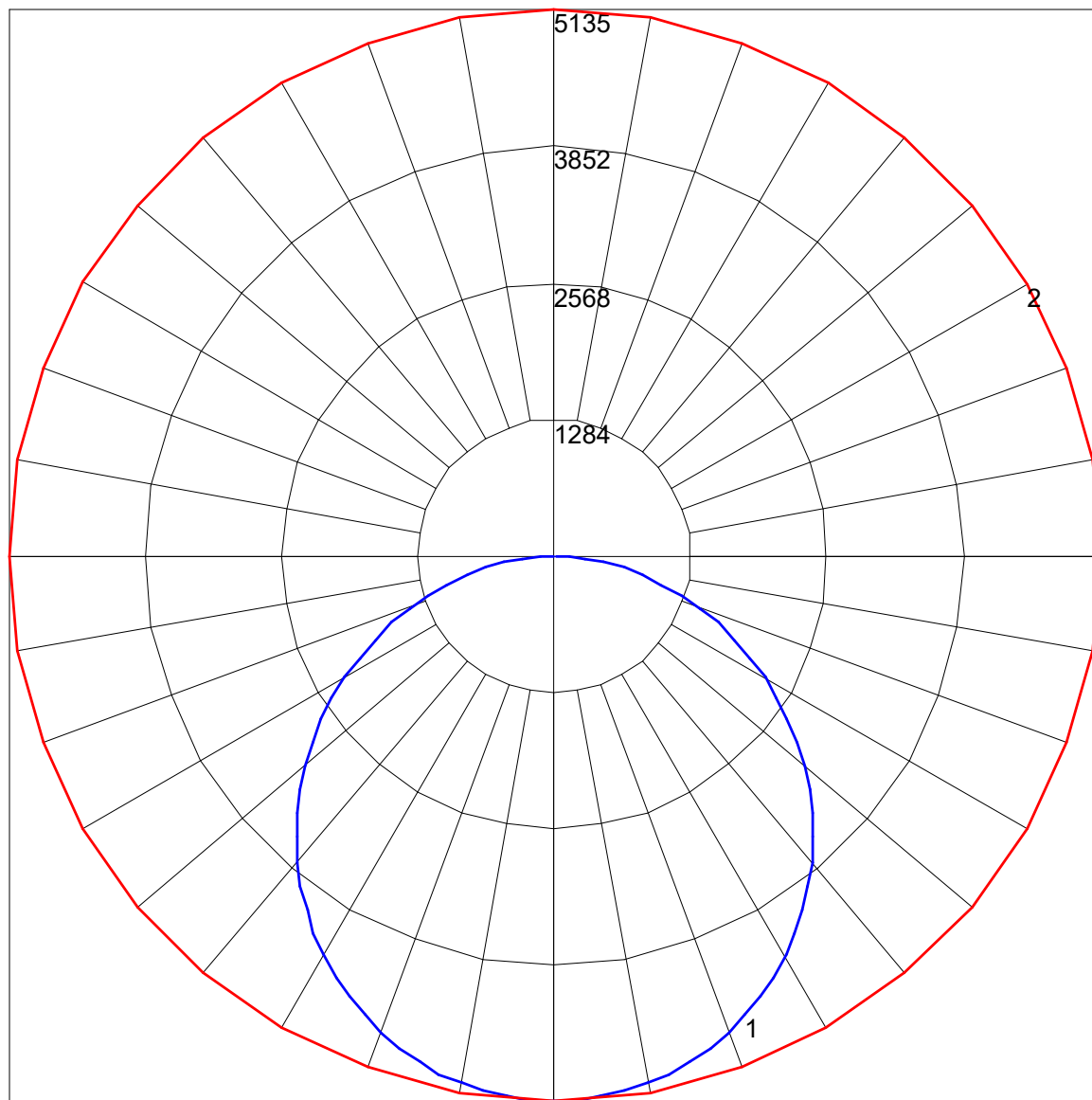
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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 = 5135.346 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.)