



## IES INDOOR REPORT

PHOTOMETRIC FILENAME : P43-LED35-HO-BLW-D1.IES

### DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002  
 [TEST] LLI 0408-17F  
 [TESTLAB] LIGHT LABORATORY INC  
 [ISSUE DATE] 5/12/2008  
 [MANUFACT] PRUDENTIAL LIGHTING  
 [LUMCAT] P43-LED35-HO- 04 BLW -D1  
 [LUMINAIRE] 49-1/4"L. X 5-1/8"W. X 5-1/8" H. DIRECT LUMINAIRE  
 [MORE] WHITE PAINTED REFLECTOR  
 [MORE] WHITE BLADE LOUVER

### CHARACTERISTICS

Lumens Per Lamp	2900 (1 lamp)
Total Lamp Lumens	2900
Luminaire Lumens	3288
Total Luminaire Efficiency	113 %
Luminaire Efficacy Rating (LER)	69
Total Luminaire Watts	48
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.14
Spacing Criterion (90-270)	0.94
Spacing Criterion (Diagonal)	1.08
Basic Luminous Shape	Rectangular
Luminous Length (0-180)	4.00 ft
Luminous Width (90-270)	0.25 ft
Luminous Height	0.00 ft

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

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	13201	9186	9125
55	10087	7949	9712
65	6158	7074	8550
75	5401	5401	7396
85	4935	4195	4195

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : P43-LED35-HO-BLW-D1.IES**

**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>	1750	1750	1750	1750	1750
<b>5</b>	1812	1808	1758	1696	1674
<b>15</b>	1660	1654	1620	1590	1588
<b>25</b>	1428	1412	1396	1244	1166
<b>35</b>	1176	1156	948	768	776
<b>45</b>	868	828	604	594	600
<b>55</b>	538	450	424	466	518
<b>65</b>	242	244	278	308	336
<b>75</b>	130	128	130	152	178
<b>85</b>	40	36	34	32	34
<b>90</b>	0	0	0	0	0

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : P43-LED35-HO-BLW-D1.IES**

**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	362.63	12.50	11.00
0-30	916.88	31.60	27.90
0-40	1546.43	53.30	47.00
0-60	2613.3	90.10	79.50
0-80	3183.96	109.80	96.80
0-90	3288.25	113.40	100.00
10-90	3246.4	111.90	98.70
20-40	1183.81	40.80	36.00
20-50	1765.31	60.90	53.70
40-70	1421.01	49.00	43.20
60-80	570.66	19.70	17.40
70-80	216.51	7.50	6.60
80-90	104.30	3.60	3.20
90-110	0.00	0.00	0.00
90-120	0.00	0.00	0.00
90-130	0.00	0.00	0.00
90-150	0.00	0.00	0.00
90-180	0.00	0.00	0.00
110-180	0.00	0.00	0.00
0-180	3288.25	113.40	100.00

Total Luminaire Efficiency = 113.40%

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	41.86
10-20	320.77
20-30	554.25
30-40	629.55
40-50	581.50
50-60	485.36
60-70	354.15
70-80	216.51
80-90	104.30
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

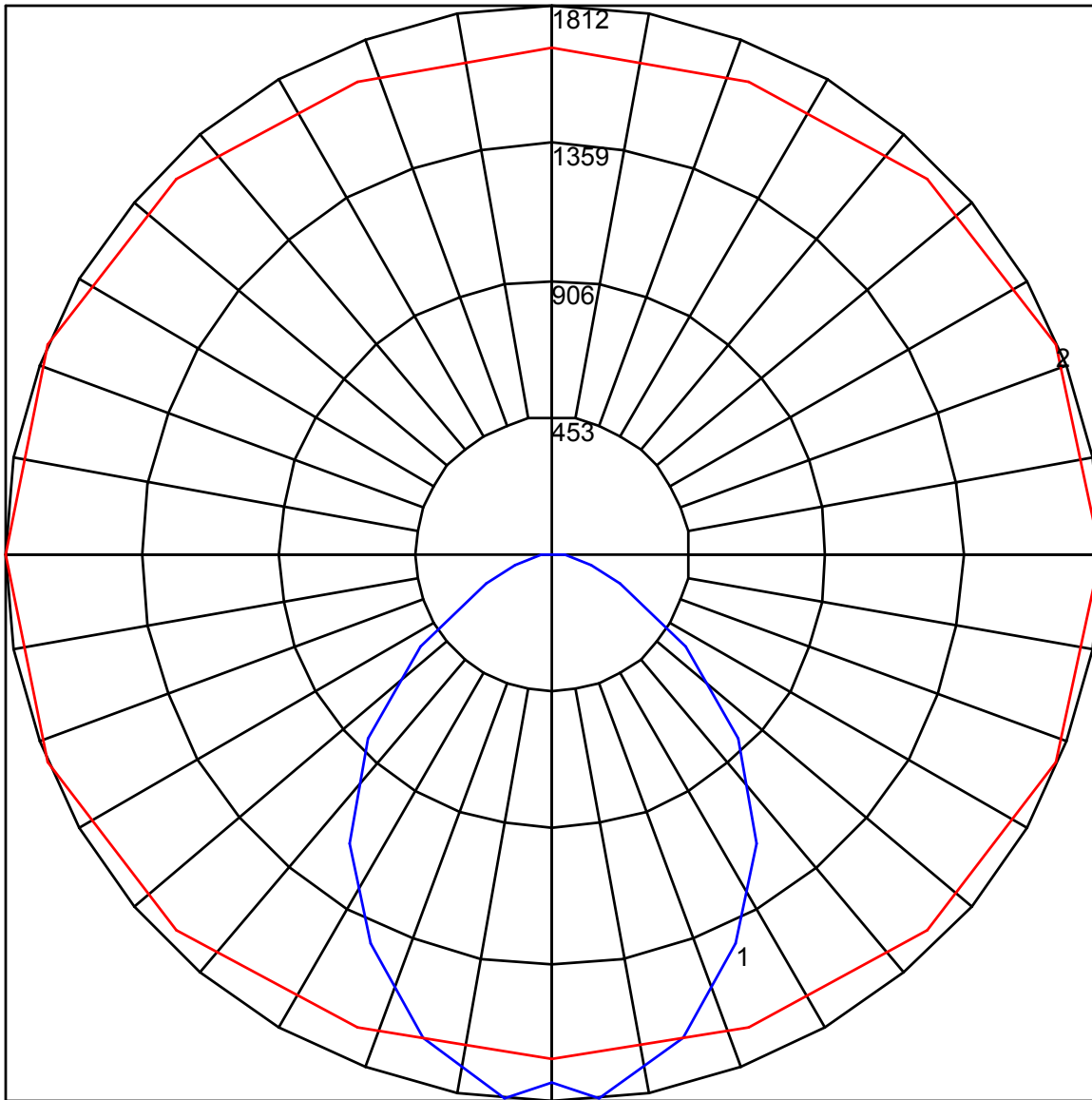
**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : P43-LED35-HO-BLW-D1.IES**

**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	135	135	135	135	132	132	132	132	126	126	126	121	121	121	116	116	116	113
1	123	117	112	108	120	115	110	106	110	106	103	105	102	100	101	99	97	94
2	112	102	95	88	109	100	93	87	96	90	85	92	87	83	89	85	81	79
3	102	90	81	73	99	88	80	73	85	77	71	82	75	70	79	73	69	66
4	93	80	70	62	91	78	69	62	75	67	61	73	66	60	70	64	59	57
5	86	71	61	53	84	70	60	53	68	59	53	65	58	52	63	57	51	49
6	79	64	54	47	77	63	53	46	61	52	46	59	51	46	57	50	45	43
7	73	58	48	41	71	57	48	41	55	47	41	54	46	40	52	45	40	38
8	68	53	43	36	66	52	43	36	51	42	36	49	41	36	48	41	36	33
9	64	48	39	33	62	48	39	33	46	38	32	45	38	32	44	37	32	30
10	60	44	35	29	58	44	35	29	43	35	29	42	34	29	41	34	29	27

POLAR GRAPH



Maximum Candela = 1812 Located At Horizontal Angle = 0, Vertical Angle = 5  
# 1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)  
# 2 - Horizontal Cone Through Vertical Angle (5) (Through Max. Cd.)