



## IES INDOOR REPORT

PHOTOMETRIC FILENAME : L121400201.IES

### DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002  
 [TEST] L121400201  
 [TESTLAB] LIGHT LABORATORY, INC.  
 [ISSUE DATE] 12/3/2014  
 [MANUFAC] PRUDENTIAL LIGHTING  
 [LUMCAT] Winq24-LED35HO-ABW-xxx-SC-UNV-xx  
 [LUMINAIRE] 48"L. X 24"W. X 5"H. LED LUMINAIRE  
 [MORE] DIFFUSED LENS  
 [BALLASTCAT] OSRAM OPTOTRONIC OT48W/PRG2000C/UNV/DIM/L (TWO DRIVERS)  
 [BALLAST] INPUT: 120-277VAC, 0.52-0.23A, 50/60Hz. OUTPUT: 48W, 10-55VDC, 700-2000mA  
 [LAMPPOSITION] 0,0  
 [LAMPCAT] N/A  
 [OTHER] INDICATING THE CANDELA VALUES ARE ABSOLUTE AND  
 [MORE] SHOULD NOT BE FACTORED FOR DIFFERENT LAMP RATINGS.  
 [ INPUT] 120VAC, 90.44W  
 [ TEST PROCEDURE] IESNA:LM-79-08

### CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	7643
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	85
Total Luminaire Watts	90.44
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.20
Spacing Criterion (90-270)	1.48
Spacing Criterion (Diagonal)	1.46
Basic Luminous Shape	Rectangular
Luminous Length (0-180)	3.81 ft
Luminous Width (90-270)	1.79 ft
Luminous Height	0.00 ft

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

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	3639	4763	4489
55	3293	3676	3120
65	2933	2750	2306
75	2285	2108	1901
85	1610	1701	1502

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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>	2805	2805	2805	2805	2805
<b>5</b>	2774	2781	2791	2796	2797
<b>10</b>	2724	2731	2749	2765	2769
<b>15</b>	2640	2654	2692	2729	2747
<b>20</b>	2529	2551	2626	2721	2764
<b>25</b>	2389	2431	2576	2768	2853
<b>30</b>	2225	2297	2555	2840	2926
<b>35</b>	2038	2161	2539	2762	2797
<b>40</b>	1843	2024	2418	2485	2470
<b>45</b>	1632	1871	2136	2064	2013
<b>50</b>	1421	1667	1741	1597	1536
<b>55</b>	1198	1398	1337	1190	1135
<b>60</b>	1001	1122	1020	897	852
<b>65</b>	786	835	737	648	618
<b>70</b>	570	587	515	463	446
<b>75</b>	375	384	346	320	312
<b>80</b>	211	221	211	198	194
<b>85</b>	89	98	94	85	83
<b>90</b>	0	0	0	0	0

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**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	1026.74	N.A.	13.40
0-30	2229.55	N.A.	29.20
0-40	3762.2	N.A.	49.20
0-60	6426.91	N.A.	84.10
0-80	7537.11	N.A.	98.60
0-90	7643.17	N.A.	100.00
10-90	7378.26	N.A.	96.50
20-40	2735.47	N.A.	35.80
20-50	4247.6	N.A.	55.60
40-70	3399.48	N.A.	44.50
60-80	1110.21	N.A.	14.50
70-80	375.43	N.A.	4.90
80-90	106.06	N.A.	1.40
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	7643.17	N.A.	100.00

Total Luminaire Efficiency = N.A.%

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	264.92
10-20	761.82
20-30	1202.81
30-40	1532.66
40-50	1512.13
50-60	1152.57
60-70	734.78
70-80	375.43
80-90	106.06
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

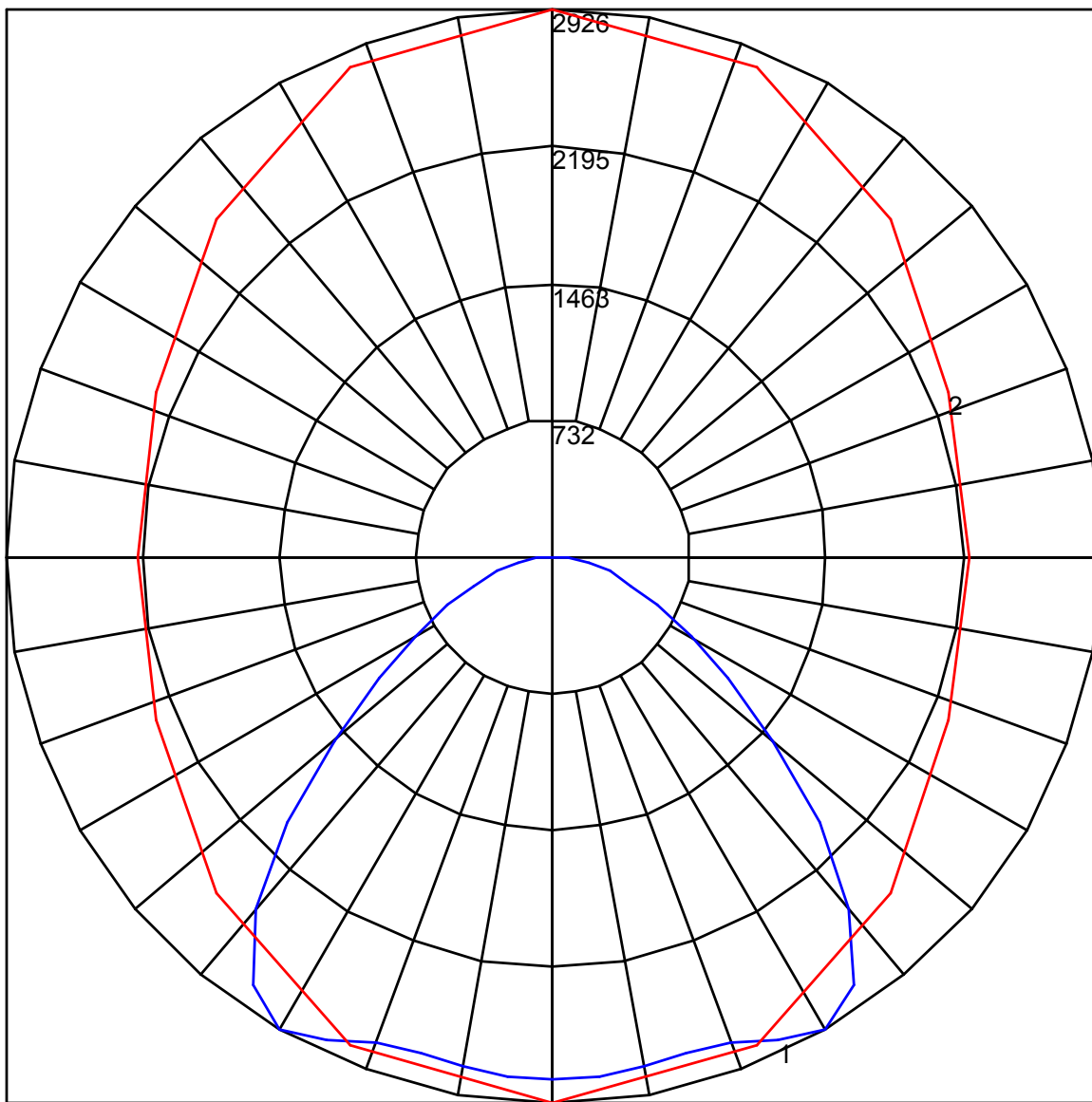
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	110	105	101	98	107	103	99	96	99	96	93	95	92	90	91	89	87	85
2	100	92	86	81	98	91	85	80	87	82	78	84	80	76	81	77	74	72
3	92	82	74	68	89	80	73	67	77	71	66	74	69	65	72	68	64	62
4	84	73	64	58	82	71	64	57	69	62	57	67	61	56	64	59	55	53
5	78	65	56	50	76	64	56	50	62	55	49	60	54	49	58	53	48	46
6	72	59	50	44	70	58	50	44	56	49	43	54	48	43	53	47	43	41
7	67	53	45	39	65	53	44	39	51	44	38	50	43	38	48	42	38	36
8	62	49	40	35	60	48	40	35	47	39	34	45	39	34	44	38	34	32
9	58	45	37	31	56	44	36	31	43	36	31	42	35	31	41	35	31	29
10	54	41	33	28	53	41	33	28	40	33	28	39	32	28	38	32	28	26

POLAR GRAPH



Maximum Candela = 2926 Located At Horizontal Angle = 90, Vertical Angle = 30  
# 1 - Vertical Plane Through Horizontal Angles (90 - 270) (Through Max. Cd.)  
# 2 - Horizontal Cone Through Vertical Angle (30) (Through Max. Cd.)