

IES INDOOR REPORT

PHOTOMETRIC FILENAME : P3950-LED3-LO-FWA-D1.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST]359809
[TESTLAB]UL Verification Services
[ISSUE DATE]
[MANUFAC]Prudential Lighting Group
[LUMCAT]P3950-LED3-LOFWA-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	12496
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	121
Total Luminaire Watts	103
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	Sphere
Luminous Length (0-180)	0.00 ft
Luminous Width (90-270)	5.00 ft (Diameter)
Luminous Height	0.50 ft (Diameter)

LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	1579	1579	1579
55	1234	1234	1234
65	859	859	859
75	482	482	482
85	136	136	136

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CANDELA TABULATION

	<u>0</u>
0.0	4313.129
2.5	4308.518
5.0	4293.917
7.5	4271.016
10.0	4238.431
12.5	4196.164
15.0	4146.057
17.5	4085.346
20.0	4015.566
22.5	3937.794
25.0	3849.878
27.5	3754.737
30.0	3651.297
32.5	3540.941
35.0	3422.438
37.5	3295.943
40.0	3163.914
42.5	3026.199
45.0	2882.490
47.5	2732.632
50.0	2577.395
52.5	2416.932
55.0	2253.396
57.5	2086.324
60.0	1916.485
62.5	1743.419
65.0	1569.277
67.5	1394.674
70.0	1220.839
72.5	1048.849
75.0	879.779
77.5	714.398
80.0	552.398
82.5	396.239
85.0	247.764
87.5	110.971
90.0	15.370

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	1578.09	N.A.	12.60
0-30	3352.39	N.A.	26.80
0-40	5492.8	N.A.	44.00
0-60	9729.2	N.A.	77.90
0-80	12213.16	N.A.	97.70
0-90	12495.79	N.A.	100.00
10-90	12087.66	N.A.	96.70
20-40	3914.7	N.A.	31.30
20-50	6137.36	N.A.	49.10
40-70	5789.43	N.A.	46.30
60-80	2483.95	N.A.	19.90
70-80	930.93	N.A.	7.40
80-90	282.64	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	12495.79	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	408.13
10-20	1169.96
20-30	1774.29
30-40	2140.41
40-50	2222.65
50-60	2013.75
60-70	1553.03
70-80	930.93
80-90	282.64
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

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UGR TABLE - CORRECTED

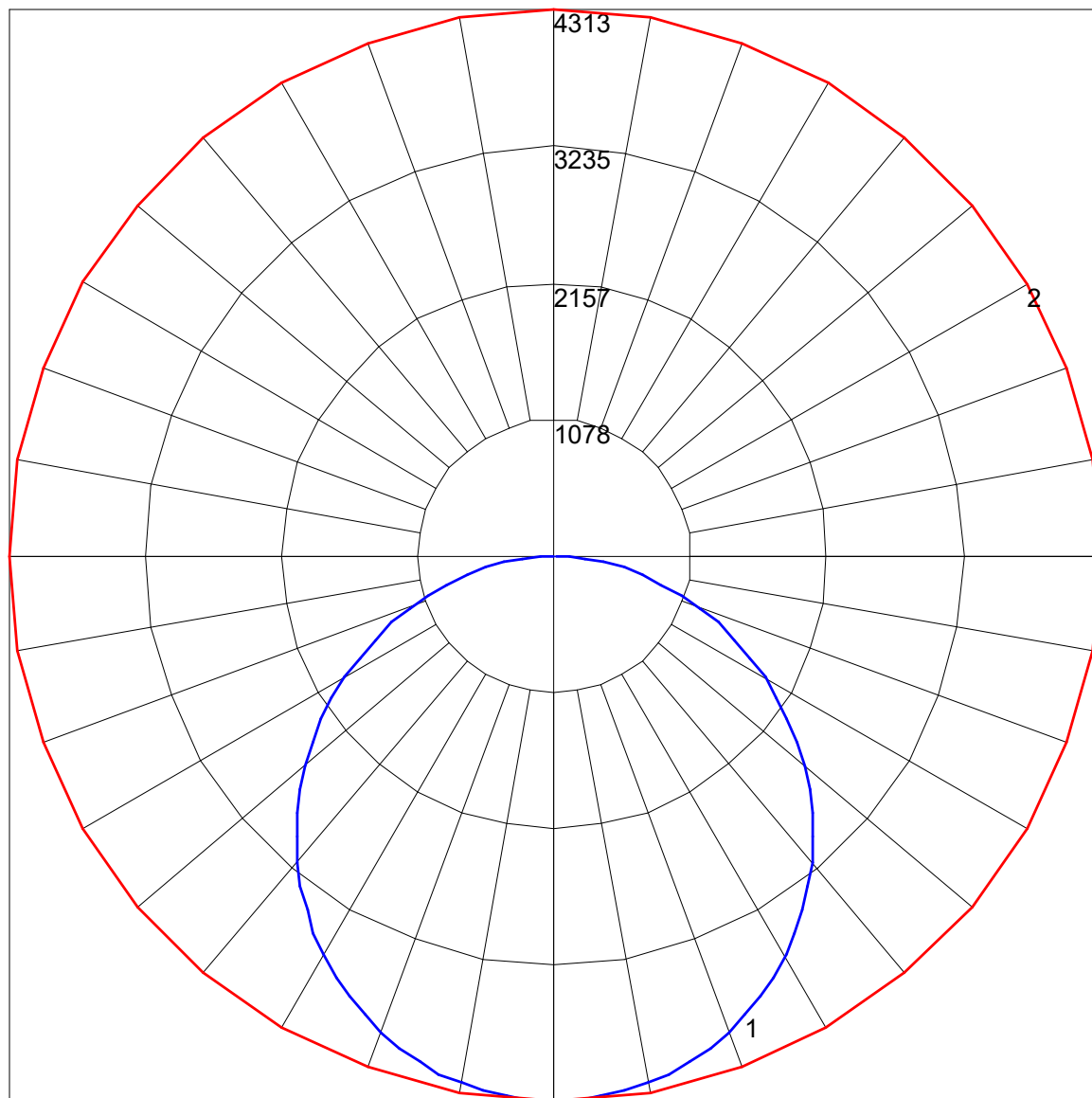
Reflectances

Ceiling Cavity	70	70	50	50	30	70	70	50	50	30
Walls	50	30	50	30	30	50	30	50	30	30
Floor Cavity	20	20	20	20	20	20	20	20	20	20

Room Size		UGR Viewed Crosswise					UGR Viewed Endwise				
X=2H	Y=2H	10.2	11.8	10.5	12.1	12.5	10.2	11.8	10.5	12.1	12.5
	3H	11.6	13.1	12.0	13.5	13.8	11.6	13.1	12.0	13.5	13.8
	4H	12.1	13.5	12.5	13.9	14.3	12.1	13.5	12.5	13.9	14.3
	6H	12.4	13.8	12.9	14.1	14.5	12.4	13.8	12.9	14.1	14.5
	8H	12.5	13.8	13.0	14.2	14.6	12.5	13.8	13.0	14.2	14.6
	12H	12.5	13.8	13.0	14.1	14.6	12.5	13.8	13.0	14.1	14.6
4H	2H	10.6	12.0	11.0	12.4	12.8	10.6	12.0	11.0	12.4	12.8
	3H	12.3	13.5	12.7	13.9	14.3	12.3	13.5	12.7	13.9	14.3
	4H	12.9	13.9	13.3	14.4	14.8	12.9	13.9	13.3	14.4	14.8
	6H	13.3	14.2	13.7	14.7	15.1	13.3	14.2	13.7	14.7	15.1
	8H	13.4	14.3	13.8	14.7	15.2	13.4	14.3	13.8	14.7	15.2
	12H	13.5	14.2	13.9	14.7	15.2	13.5	14.2	13.9	14.7	15.2
8H	4H	13.0	13.9	13.5	14.4	14.8	13.0	13.9	13.5	14.4	14.8
	6H	13.5	14.3	14.0	14.8	15.2	13.5	14.3	14.0	14.8	15.2
	8H	13.7	14.3	14.2	14.8	15.3	13.7	14.3	14.2	14.8	15.3
	12H	13.8	14.4	14.3	14.9	15.4	13.8	14.4	14.3	14.9	15.4
12H	4H	13.1	13.9	13.6	14.3	14.8	13.1	13.9	13.6	14.3	14.8
	6H	13.6	14.2	14.1	14.7	15.2	13.6	14.2	14.1	14.7	15.2
	8H	13.7	14.3	14.2	14.8	15.4	13.7	14.3	14.2	14.8	15.4

Maximum UGR = 15.4

POLAR GRAPH



Maximum Candela = 4313.129 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.)