

IES INDOOR REPORT

PHOTOMETRIC FILENAME : P3950-LED3-MO-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-MO-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	20325
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	120
Total Luminaire Watts	169
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	2568	2568	2568
55	2007	2007	2007
65	1398	1398	1398
75	784	784	784
85	221	221	221

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CANDELA TABULATION

	<u>0</u>
0.0	7015.50
2.5	7008.00
5.0	6984.25
7.5	6947.00
10.0	6894.00
12.5	6825.25
15.0	6743.75
17.5	6645.00
20.0	6531.50
22.5	6405.00
25.0	6262.00
27.5	6107.25
30.0	5939.00
32.5	5759.50
35.0	5566.75
37.5	5361.00
40.0	5146.25
42.5	4922.25
45.0	4688.50
47.5	4444.75
50.0	4192.25
52.5	3931.25
55.0	3665.25
57.5	3393.50
60.0	3117.25
62.5	2835.75
65.0	2552.50
67.5	2268.50
70.0	1985.75
72.5	1706.00
75.0	1431.00
77.5	1162.00
80.0	898.50
82.5	644.50
85.0	403.00
87.5	180.50
90.0	25.00

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	2566.84	N.A.	12.60
0-30	5452.81	N.A.	26.80
0-40	8934.28	N.A.	44.00
0-60	15824.99	N.A.	77.90
0-80	19865.25	N.A.	97.70
0-90	20324.98	N.A.	100.00
10-90	19661.13	N.A.	96.70
20-40	6367.44	N.A.	31.30
20-50	9982.69	N.A.	49.10
40-70	9416.77	N.A.	46.30
60-80	4040.26	N.A.	19.90
70-80	1514.19	N.A.	7.40
80-90	459.73	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	20324.98	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	663.85
10-20	1902.99
20-30	2885.97
30-40	3481.48
40-50	3615.24
50-60	3275.46
60-70	2526.07
70-80	1514.19
80-90	459.73
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

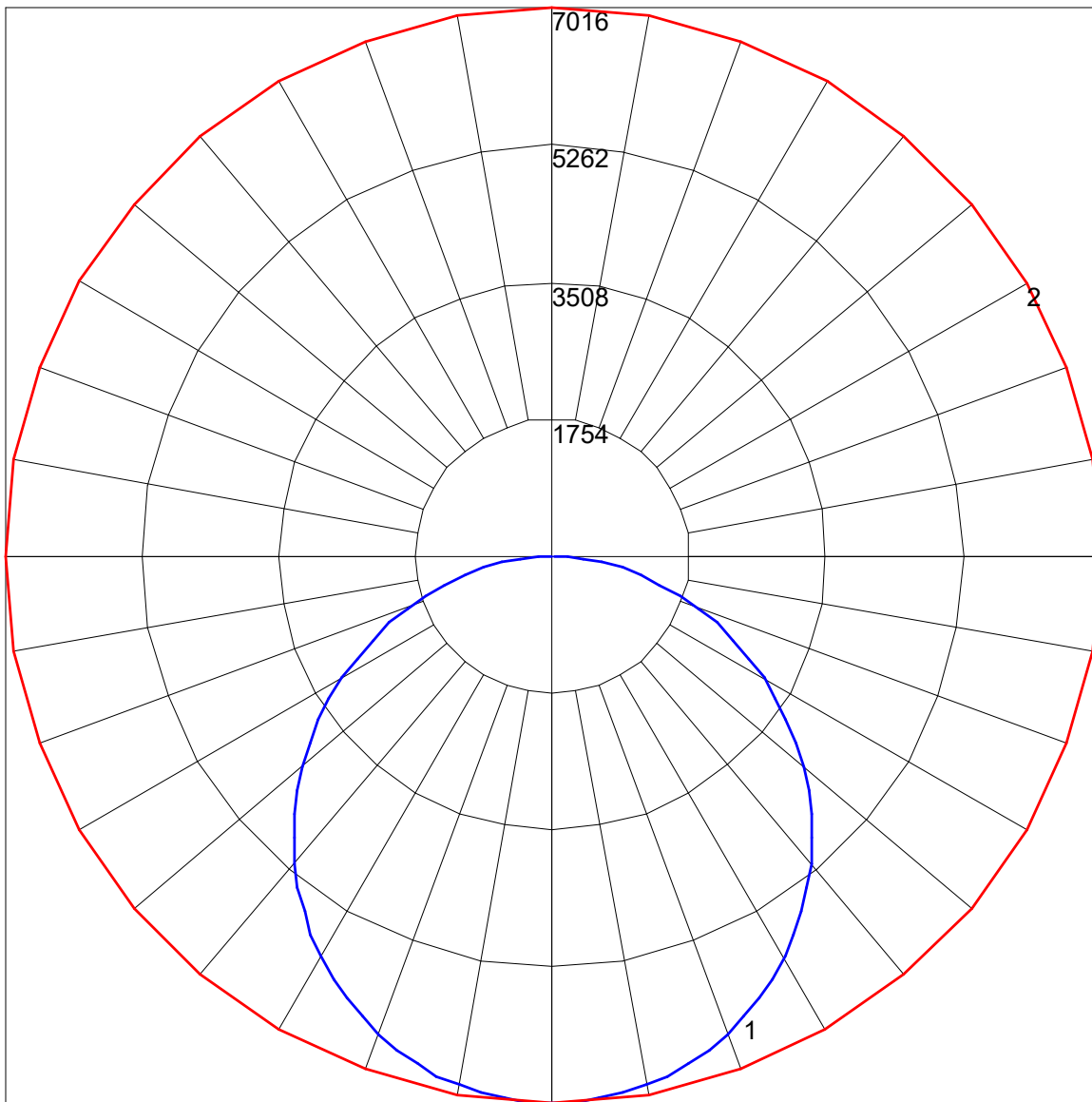
Reflectances

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	11.9	13.5	12.2	13.8	14.2	11.9	13.5	12.2	13.8	14.2
	3H	13.3	14.8	13.7	15.2	15.5	13.3	14.8	13.7	15.2	15.5
	4H	13.8	15.2	14.2	15.6	16.0	13.8	15.2	14.2	15.6	16.0
	6H	14.1	15.5	14.6	15.8	16.2	14.1	15.5	14.6	15.8	16.2
	8H	14.2	15.5	14.7	15.9	16.3	14.2	15.5	14.7	15.9	16.3
	12H	14.2	15.5	14.7	15.8	16.3	14.2	15.5	14.7	15.8	16.3
4H	2H	12.3	13.7	12.7	14.1	14.5	12.3	13.7	12.7	14.1	14.5
	3H	14.0	15.2	14.4	15.6	16.0	14.0	15.2	14.4	15.6	16.0
	4H	14.6	15.6	15.0	16.1	16.5	14.6	15.6	15.0	16.1	16.5
	6H	15.0	15.9	15.4	16.4	16.8	15.0	15.9	15.4	16.4	16.8
	8H	15.1	16.0	15.5	16.4	16.9	15.1	16.0	15.5	16.4	16.9
	12H	15.2	15.9	15.6	16.4	16.9	15.2	15.9	15.6	16.4	16.9
8H	4H	14.7	15.6	15.2	16.1	16.5	14.7	15.6	15.2	16.1	16.5
	6H	15.2	16.0	15.7	16.5	16.9	15.2	16.0	15.7	16.5	16.9
	8H	15.4	16.0	15.9	16.5	17.0	15.4	16.0	15.9	16.5	17.0
	12H	15.5	16.1	16.0	16.6	17.1	15.5	16.1	16.0	16.6	17.1
12H	4H	14.8	15.6	15.3	16.0	16.5	14.8	15.6	15.3	16.0	16.5
	6H	15.3	15.9	15.8	16.4	16.9	15.3	15.9	15.8	16.4	16.9
	8H	15.4	16.0	15.9	16.5	17.1	15.4	16.0	15.9	16.5	17.1

Maximum UGR = 17.1

POLAR GRAPH



Maximum Candela = 7015.5 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.)