

## IES INDOOR REPORT

PHOTOMETRIC FILENAME : P3950-LED3-HO-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-LED35-HO-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	39024
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	115
Total Luminaire Watts	338
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	4930	4930	4930
55	3854	3854	3854
65	2684	2684	2684
75	1505	1505	1505
85	424	424	424

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CANDELA TABULATION

	<u>0</u>
0.0	13469.760
2.5	13455.360
5.0	13409.760
7.5	13338.241
10.0	13236.481
12.5	13104.481
15.0	12948.001
17.5	12758.401
20.0	12540.481
22.5	12297.600
25.0	12023.041
27.5	11725.920
30.0	11402.881
32.5	11058.241
35.0	10688.160
37.5	10293.120
40.0	9880.800
42.5	9450.720
45.0	9001.920
47.5	8533.920
50.0	8049.120
52.5	7548.000
55.0	7037.280
57.5	6515.520
60.0	5985.120
62.5	5444.640
65.0	4900.800
67.5	4355.520
70.0	3812.640
72.5	3275.520
75.0	2747.520
77.5	2231.040
80.0	1725.120
82.5	1237.440
85.0	773.760
87.5	346.560
90.0	48.000

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**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	4928.33	N.A.	12.60
0-30	10469.39	N.A.	26.80
0-40	17153.83	N.A.	44.00
0-60	30383.98	N.A.	77.90
0-80	38141.28	N.A.	97.70
0-90	39023.95	N.A.	100.00
10-90	37749.36	N.A.	96.70
20-40	12225.49	N.A.	31.30
20-50	19166.76	N.A.	49.10
40-70	18080.21	N.A.	46.30
60-80	7757.3	N.A.	19.90
70-80	2907.25	N.A.	7.40
80-90	882.67	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	39023.95	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	1274.59
10-20	3653.74
20-30	5541.06
30-40	6684.43
40-50	6941.27
50-60	6288.89
60-70	4850.05
70-80	2907.25
80-90	882.67
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**

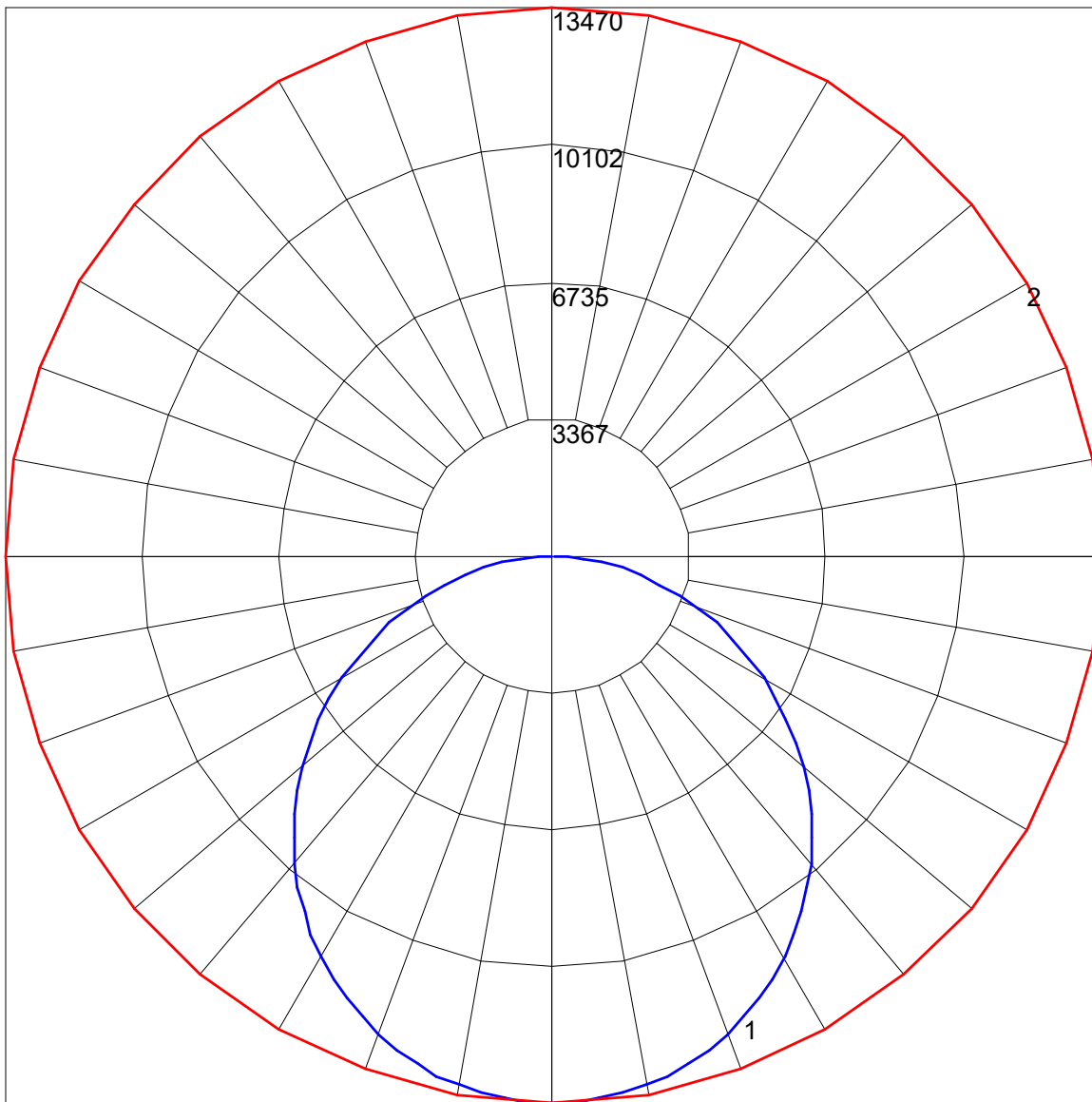
Reflectances

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	14.1	15.7	14.4	16.0	16.4	14.1	15.7	14.4	16.0	16.4
	3H	15.5	17.0	15.9	17.4	17.7	15.5	17.0	15.9	17.4	17.7
	4H	16.0	17.4	16.4	17.8	18.2	16.0	17.4	16.4	17.8	18.2
	6H	16.3	17.7	16.8	18.0	18.4	16.3	17.7	16.8	18.0	18.4
	8H	16.4	17.7	16.9	18.1	18.5	16.4	17.7	16.9	18.1	18.5
	12H	16.4	17.7	16.9	18.0	18.5	16.4	17.7	16.9	18.0	18.5
4H	2H	14.5	15.9	14.9	16.3	16.7	14.5	15.9	14.9	16.3	16.7
	3H	16.2	17.4	16.6	17.8	18.2	16.2	17.4	16.6	17.8	18.2
	4H	16.8	17.8	17.2	18.3	18.7	16.8	17.8	17.2	18.3	18.7
	6H	17.2	18.1	17.6	18.6	19.0	17.2	18.1	17.6	18.6	19.0
	8H	17.3	18.2	17.7	18.6	19.1	17.3	18.2	17.7	18.6	19.1
	12H	17.4	18.1	17.8	18.6	19.1	17.4	18.1	17.8	18.6	19.1
8H	4H	16.9	17.8	17.4	18.3	18.7	16.9	17.8	17.4	18.3	18.7
	6H	17.4	18.2	17.9	18.7	19.1	17.4	18.2	17.9	18.7	19.1
	8H	17.6	18.2	18.1	18.7	19.2	17.6	18.2	18.1	18.7	19.2
	12H	17.7	18.3	18.2	18.8	19.3	17.7	18.3	18.2	18.8	19.3
12H	4H	17.0	17.8	17.5	18.2	18.7	17.0	17.8	17.5	18.2	18.7
	6H	17.5	18.1	18.0	18.6	19.1	17.5	18.1	18.0	18.6	19.1
	8H	17.6	18.2	18.1	18.7	19.3	17.6	18.2	18.1	18.7	19.3

Maximum UGR = 19.3

POLAR GRAPH



Maximum Candela = 13469.76 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.)