



Photometric Report by:

SPECTRUM LIGHTING, INC.

994 JEFFERSON ST. ● FALL RIVER, MA 02721

IES INDOOR REPORT

PHOTOMETRIC FILENAME : 00275_4.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TESTLAB] Photopia 3.2.1 see: www.ltioptics.com/ies

[ISSUE DATE]

[TEST] SP-00275_4

[TEST DATE] Mon Apr 25 15:44:25 2011

[MANUFAC] Spectrum Lighting

[LUMCAT] LM0624/160W/55K/ND/E1/YK

[LAMP] 40Watt LUXPAR Spot

[LAMPCAT] LZC-70xW40 with LLSP-3T08-H

[OTHER] Lumen rating base on 75% of 1900 lm from 80C emitter temperature

CHARACTERISTICS

Lumens Per Lamp	1425 (4 lamps)
Total Lamp Lumens	5700
Luminaire Lumens	5540
Total Luminaire Efficiency	97 %
Luminaire Efficacy Rating (LER)	37
Total Luminaire Watts	148
Ballast Factor	1.00
CIE Type	Direct
Spacing Criteria (0-180)	0.26
Spacing Criteria (90-270)	0.26
Spacing Criteria (Diagonal)	0.26
Basic Luminous Shape	Rectangular w/Sides
Luminous Length (0-180)	0.80 ft
Luminous Width (90-270)	0.20 ft
Luminous Height	0.17 ft

LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	322	172	115
55	64	22	3
65	48	13	0
75	248	58	0
85	101	18	0

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CANDELA TABULATION

	<u>0</u>	<u>90</u>	<u>180</u>	<u>270</u>	<u>360</u>
0	60963.00	60963.00	60963.00	60963.00	60963.00
5	43490.80	44411.60	43623.80	44268.00	43490.80
10	15134.30	14451.60	15144.60	14520.30	15134.20
15	4183.15	3729.62	4191.35	3777.44	4183.15
20	1704.30	1513.56	1743.29	1497.35	1704.30
25	1024.28	894.46	1037.57	887.93	1024.28
30	586.23	494.08	597.69	492.45	586.23
35	201.67	138.90	185.26	139.07	201.67
40	47.78	28.73	36.55	25.50	47.78
45	4.12	2.26	3.08	2.56	4.12
50	1.00	0.87	1.26	0.65	1.00
55	0.71	0.06	0.26	0.16	0.71
60	0.04	0.00	0.06	0.00	0.04
65	0.44	0.00	0.51	0.06	0.44
70	0.44	0.00	0.46	0.00	0.44
75	1.72	0.00	0.93	0.00	1.72
80	6.88	0.00	6.76	0.00	6.88
85	0.45	0.00	0.45	0.00	0.45
90	0.00	0.00	0.00	0.00	0.00

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-30	5391.18	94.60	97.30
0-40	5529.07	97.00	99.80
0-60	5537.18	97.10	100.00
0-90	5539.74	97.20	100.00
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
0-180	5539.74	97.20	100.00

Total Luminaire Efficiency = 97.20%

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	3356.26
10-20	1574.48
20-30	460.43
30-40	137.89
40-50	7.77
50-60	0.34
60-70	0.19
70-80	1.32
80-90	1.05
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

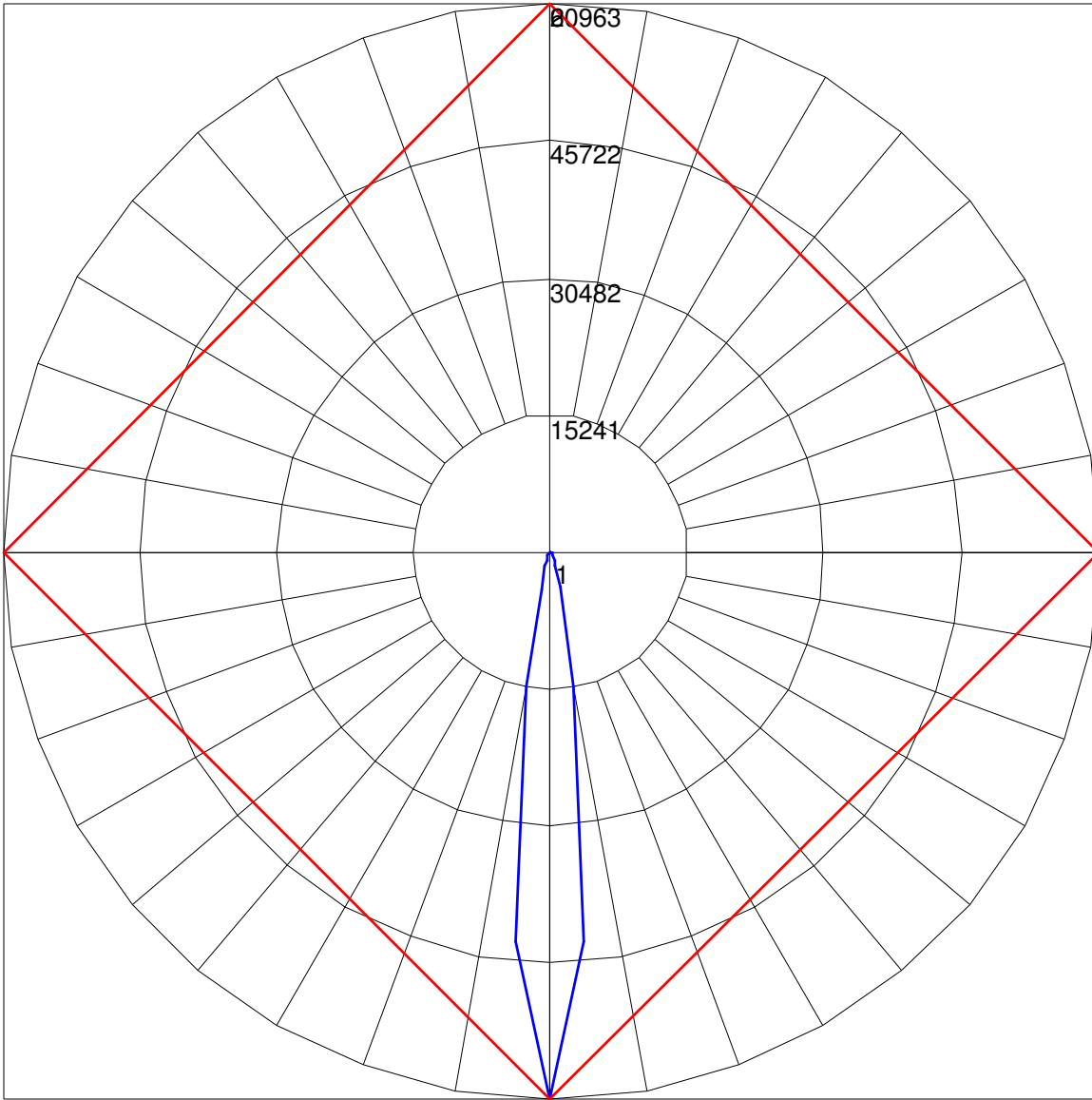
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	116	116	116	116	113	113	113	113	108	108	108	103	103	103	99	99	99	97
1	112	111	109	108	110	109	107	106	105	104	103	101	100	100	98	97	97	95
2	110	107	104	102	108	105	103	101	102	100	99	99	98	97	97	96	95	93
3	107	103	100	98	105	102	99	97	100	97	96	97	96	94	95	94	93	92
4	104	100	97	95	103	99	96	94	97	95	93	96	94	92	94	92	91	90
5	102	98	94	92	101	97	94	92	95	93	91	94	92	90	93	91	89	88
6	100	95	92	90	99	95	92	89	93	91	89	92	90	88	91	89	88	87
7	98	93	90	88	97	93	90	88	92	89	87	91	89	87	90	88	86	86
8	96	91	88	86	96	91	88	86	90	88	86	89	87	85	89	87	85	84
9	95	90	87	85	94	89	86	84	89	86	84	88	86	84	87	85	84	83
10	93	88	85	83	93	88	85	83	87	85	83	87	84	83	86	84	83	82

POLAR GRAPH



Maximum Candela = 60963 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.)