

IES INDOOR REPORT
PHOTOMETRIC FILENAME : SP-00567_5 ~ C0412XT-10LXXK-MDEX-GLXXMW.IES
DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST] SP-00567_5_M-10L
 [TESTLAB] VLS-245-981
 [MANUFAC] Spectrum Lighting
 [ISSUEDATE] 4/17/2017
 [UPDATE] 6/7/2017
 [LUMINAIRE] Nom.4" Diam. x 11.5"H. Cylinder XT Series, Medium Beam
 [LUMCAT] C0412XT-10L-xxK-MD-EX-GL-xx-MW
 [OTHER] Matte White finish, Clear Glass Lens
 [OTHER] 26.8 Degree Beam Angle
 [LAMP] N/A
 [LAMPCAT] N/A, Min. 83 CRI
 [OTHER] Total Luminaire Watts is approximate
 [OTHER] LEDXT lumen output is the same for all available CCT's
 [OTHER] This report prepared by Spectrum Lighting, scaled from 50L

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	669
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	74
Total Luminaire Watts	9.1
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	0.46
Spacing Criterion (90-270)	0.46
Spacing Criterion (Diagonal)	0.48
Basic Luminous Shape	Circular
Luminous Length (0-180)	0.26 ft (Diameter)
Luminous Width (90-270)	0.26 ft (Diameter)
Luminous Height	0.00 ft

LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	882	858	880
55	673	716	674
65	266	289	257
75	261	227	288
85	962	472	391

IES INDOOR REPORT**PHOTOMETRIC FILENAME : SP-00567_5 ~ C0412XT-10LXXK-MDEX-GLXXMW.IES****CANDELA TABULATION**

	<u>0.0</u>	<u>22.5</u>	<u>45.0</u>	<u>67.5</u>	<u>90.0</u>
0	2263.442	2263.442	2263.442	2263.442	2263.442
5	2038.335	2044.310	2019.050	2064.660	2054.902
10	1509.122	1526.918	1475.426	1543.720	1518.382
15	950.967	960.332	922.288	968.187	954.772
20	565.729	568.277	549.862	575.310	572.715
25	351.287	348.324	345.283	356.722	360.624
30	187.559	196.418	183.199	204.901	196.724
35	56.738	58.134	53.262	61.324	60.760
40	7.638	5.339	6.676	5.712	7.564
45	3.198	2.923	3.112	3.455	3.192
50	2.669	2.756	2.911	2.790	2.870
55	1.979	2.202	2.106	2.188	1.982
60	1.014	0.860	1.104	1.049	0.996
65	0.576	0.418	0.626	0.321	0.557
70	0.472	0.393	0.392	0.222	0.378
75	0.347	0.358	0.301	0.296	0.382
80	0.396	0.321	0.443	0.371	0.274
85	0.430	0.473	0.211	0.177	0.175
90	0.262	0.159	0.528	0.189	0.254

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Zone	Lumens	%Lamp	%Fixt
0-20	450.05	N.A.	67.30
0-30	615.32	N.A.	92.00
0-40	663.14	N.A.	99.10
0-60	667.90	N.A.	99.80
0-80	668.85	N.A.	100.00
0-90	669.18	N.A.	100.00
10-90	490.39	N.A.	73.30
20-40	213.09	N.A.	31.80
20-50	216.06	N.A.	32.30
40-70	5.34	N.A.	0.80
60-80	0.94	N.A.	0.10
70-80	0.37	N.A.	0.10
80-90	0.34	N.A.	0.10
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	669.18	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	178.79
10-20	271.26
20-30	165.26
30-40	47.82
40-50	2.97
50-60	1.79
60-70	0.57
70-80	0.37
80-90	0.34
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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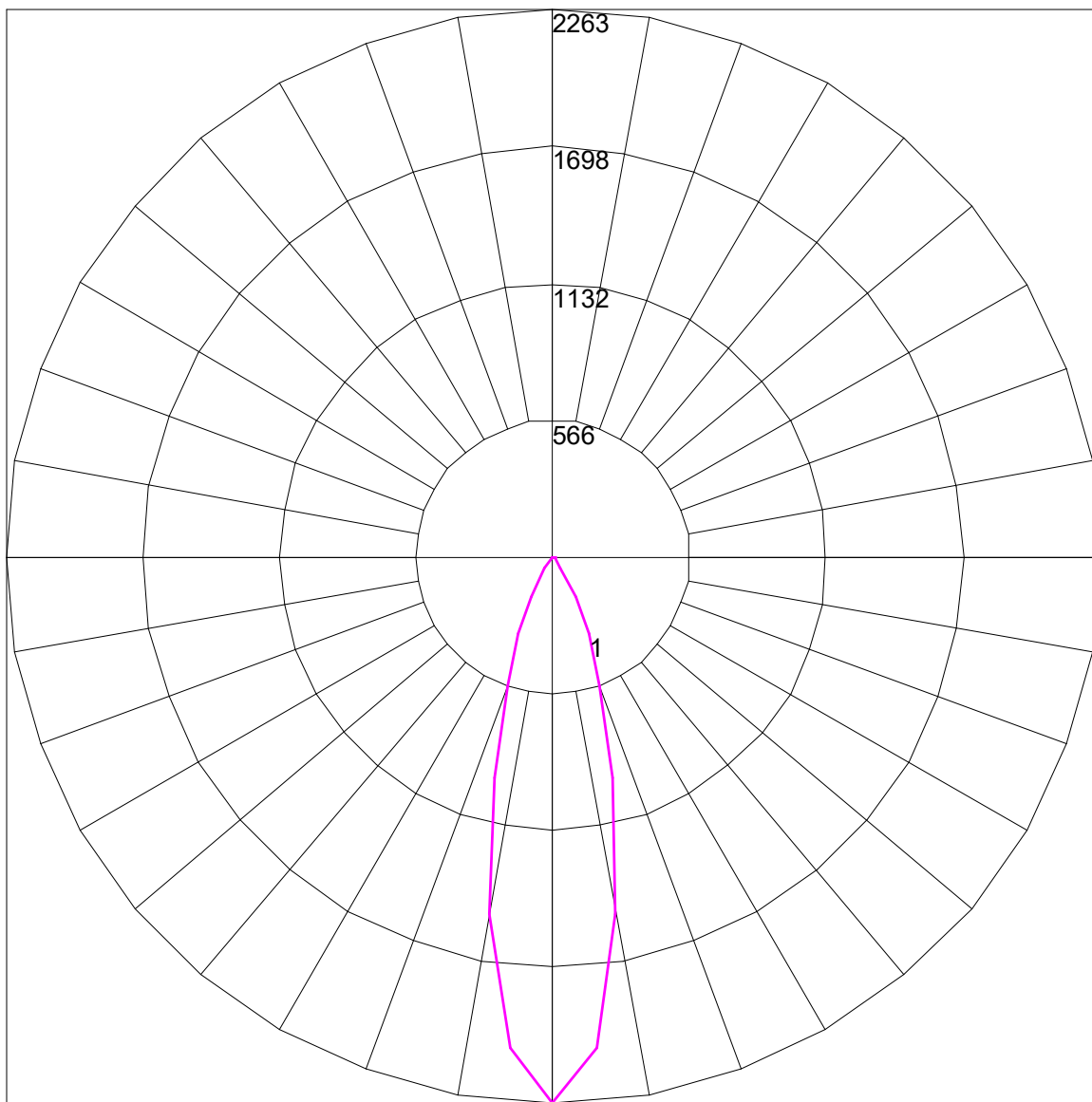
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	115	112	110	108	112	110	108	107	106	105	104	103	101	100	99	98	98	96
2	110	107	103	101	108	105	102	99	102	99	97	99	97	95	96	95	93	92
3	106	101	97	94	105	100	96	94	98	95	92	95	93	91	93	91	89	88
4	103	97	92	89	101	96	92	89	94	90	88	92	89	87	90	88	86	84
5	99	93	88	85	98	92	87	84	90	86	84	89	85	83	87	84	82	81
6	96	89	84	81	94	88	84	81	87	83	80	85	82	80	84	81	79	78
7	92	85	81	77	91	85	80	77	84	80	77	82	79	76	81	78	76	75
8	89	82	78	74	88	82	77	74	81	77	74	80	76	74	79	76	73	72
9	87	79	75	72	86	79	74	71	78	74	71	77	74	71	76	73	71	70
10	84	76	72	69	83	76	72	69	75	71	69	75	71	69	74	71	68	67

POLAR GRAPH



Maximum Candela = 2263.442 Located At Horizontal Angle = 0, Vertical Angle = 0
1 - Vertical Plane Through Horizontal Angles (0 - 180)