

IES INDOOR REPORT
PHOTOMETRIC FILENAME : SP-00567_4 ~ C0412XT-20LXXK-MDEX-BBXXMW.IES
DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST] SP-00567_4_M-20L
 [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-20L-xxK-MD-EX-BB-xx-MW
 [OTHER] Matte White finish, Black baffle, no lens
 [OTHER] 26.6 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	1448
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	67
Total Luminaire Watts	21.7
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	0.46
Spacing Criterion (90-270)	0.46
Spacing Criterion (Diagonal)	0.50
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	1072	1405	1630
55	1559	2079	1860
65	637	858	905
75	1080	935	1008
85	1638	1101	1774

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	<u>0.0</u>	<u>22.5</u>	<u>45.0</u>	<u>67.5</u>	<u>90.0</u>
0	4926.700	4926.700	4926.700	4926.700	4926.700
5	4561.584	4450.048	4534.684	4445.032	4520.340
10	3308.664	3291.853	3347.525	3300.989	3342.969
15	2035.498	2069.425	2092.686	2081.047	2088.550
20	1206.955	1231.843	1236.534	1230.311	1227.807
25	761.458	777.282	764.420	769.511	751.980
30	421.828	404.031	418.598	396.293	408.628
35	94.279	93.626	106.780	89.849	101.370
40	5.704	11.232	7.074	11.128	9.156
45	3.887	3.972	5.094	5.199	5.910
50	4.564	4.681	5.835	5.828	5.495
55	4.586	4.789	6.115	6.210	5.473
60	2.805	3.047	3.757	2.820	3.760
65	1.381	1.787	1.860	1.418	1.962
70	1.701	1.525	1.522	1.818	1.577
75	1.433	1.293	1.241	1.636	1.338
80	0.704	0.692	0.846	0.707	0.685
85	0.732	0.593	0.492	0.409	0.793
90	0.604	0.579	0.488	0.668	0.680

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Zone	Lumens	%Lamp	%Fixt
0-20	984.27	N.A.	68.00
0-30	1342.38	N.A.	92.70
0-40	1434.55	N.A.	99.10
0-60	1443.58	N.A.	99.70
0-80	1446.97	N.A.	100.00
0-90	1447.64	N.A.	100.00
10-90	1055.67	N.A.	72.90
20-40	450.28	N.A.	31.10
20-50	454.92	N.A.	31.40
40-70	11.06	N.A.	0.80
60-80	3.39	N.A.	0.20
70-80	1.36	N.A.	0.10
80-90	0.67	N.A.	0.00
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	1447.64	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	391.97
10-20	592.30
20-30	358.11
30-40	92.17
40-50	4.64
50-60	4.39
60-70	2.03
70-80	1.36
80-90	0.67
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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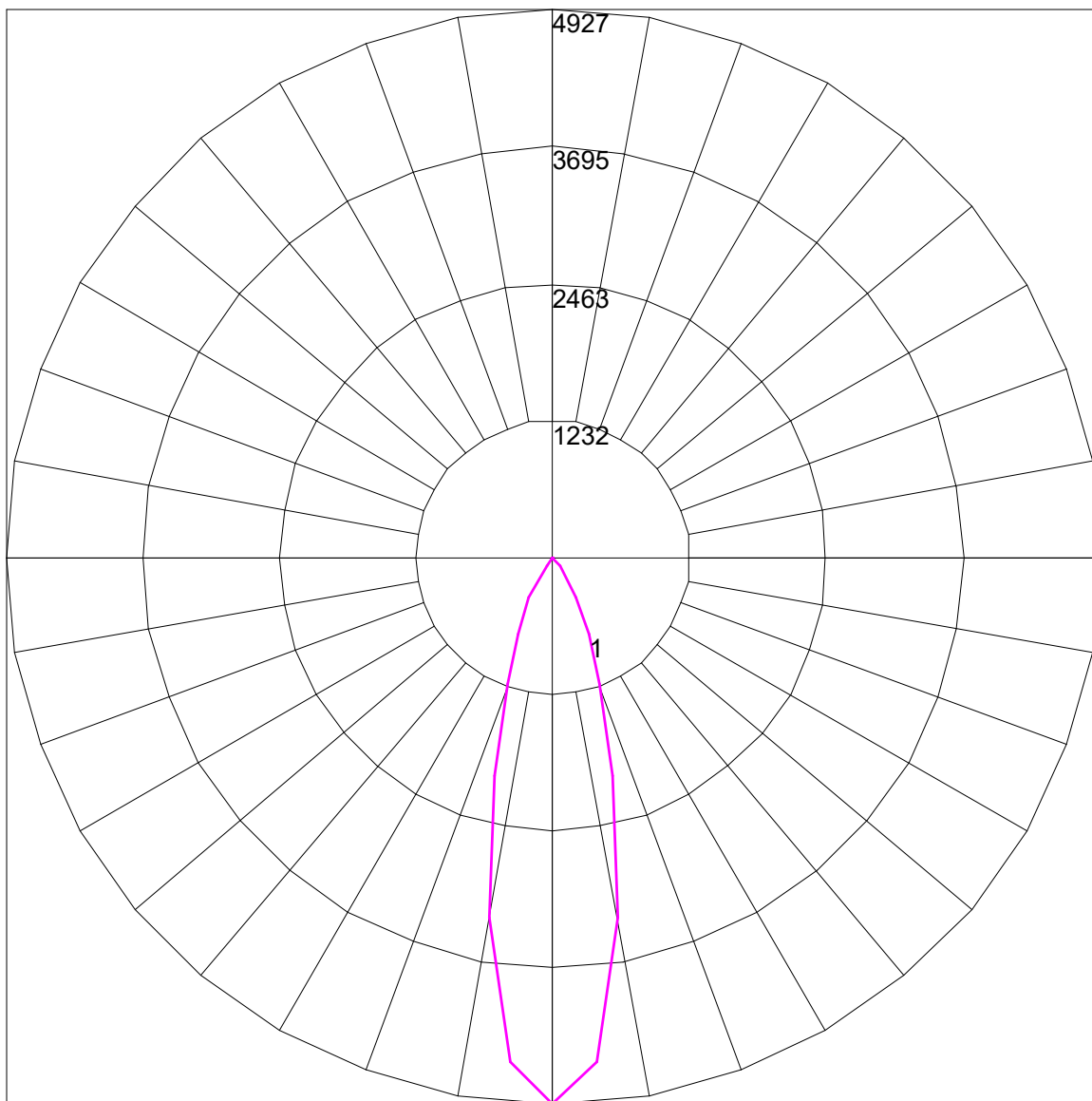
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	103	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	97	94	98	95	92	95	93	91	93	91	89	88
4	103	97	93	89	101	96	92	89	94	90	88	92	89	87	90	88	86	85
5	99	93	88	85	98	92	88	85	90	87	84	89	86	83	87	85	82	81
6	96	89	84	81	95	88	84	81	87	83	80	86	82	80	84	82	79	78
7	93	86	81	78	91	85	81	78	84	80	77	83	79	77	82	79	76	75
8	90	82	78	75	89	82	78	75	81	77	74	80	76	74	79	76	74	73
9	87	79	75	72	86	79	75	72	78	74	72	77	74	71	77	73	71	70
10	84	77	72	69	83	76	72	69	76	72	69	75	71	69	74	71	69	68

POLAR GRAPH



Maximum Candela = 4926.7 Located At Horizontal Angle = 0, Vertical Angle = 0
1 - Vertical Plane Through Horizontal Angles (0 - 180)