

IES INDOOR REPORT
PHOTOMETRIC FILENAME : SP-00567_7 ~ C0412XT-20LXXK-MDEX-SOXXMW.IES
DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST] SP-00567_7_M-20L
 [TESTLAB] VLS-245-981
 [MANUFAC] Spectrum Lighting
 [ISSUEDATE] 4/17/2017
 [UPDATE] 5/31/2017
 [LUMINAIRE] Nom.4" Diam x 11.5"H. LED Cylinder XT Series, Medium Beam
 [LUMCAT] C0412XT-20L-xxK-MD-EX-SO-xx-MW
 [OTHER] Matte White finish, Solite Lens
 [OTHER] 28.2 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	1344
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	62
Total Luminaire Watts	21.7
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	0.48
Spacing Criterion (90-270)	0.48
Spacing Criterion (Diagonal)	0.52
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	6180	6434	5895
55	1615	1773	1761
65	999	999	1244
75	815	877	666
85	1416	2255	1289

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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	4083.648	4083.648	4083.648	4083.648	4083.648
5	3735.441	3714.436	3763.745	3698.871	3748.574
10	2835.304	2834.473	2841.505	2821.482	2849.010
15	1867.586	1878.432	1867.522	1871.151	1877.427
20	1158.435	1170.783	1160.190	1166.387	1166.208
25	708.497	715.457	713.648	716.121	715.326
30	387.794	391.248	393.257	389.437	390.332
35	163.925	161.995	164.806	158.323	167.077
40	56.966	56.501	58.470	58.148	60.440
45	22.412	21.004	23.334	20.968	21.378
50	9.512	9.618	10.371	10.086	8.780
55	4.752	4.967	5.216	5.832	5.179
60	3.082	2.588	3.228	4.169	3.408
65	2.165	1.860	2.166	1.957	2.697
70	1.471	1.341	1.322	1.552	1.735
75	1.082	0.897	1.164	1.000	0.884
80	0.728	1.067	0.819	0.920	0.997
85	0.633	0.636	1.008	0.842	0.576
90	0.712	0.650	0.880	0.578	0.542

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Zone	Lumens	%Lamp	%Fixt
0-20	857.80	N.A.	63.80
0-30	1194.74	N.A.	88.90
0-40	1313.04	N.A.	97.70
0-60	1339.44	N.A.	99.70
0-80	1342.82	N.A.	99.90
0-90	1343.67	N.A.	100.00
10-90	1015.43	N.A.	75.60
20-40	455.24	N.A.	33.90
20-50	476.39	N.A.	35.50
40-70	28.62	N.A.	2.10
60-80	3.38	N.A.	0.30
70-80	1.16	N.A.	0.10
80-90	0.86	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	1343.67	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	328.25
10-20	529.55
20-30	336.94
30-40	118.30
40-50	21.15
50-60	5.25
60-70	2.22
70-80	1.16
80-90	0.86
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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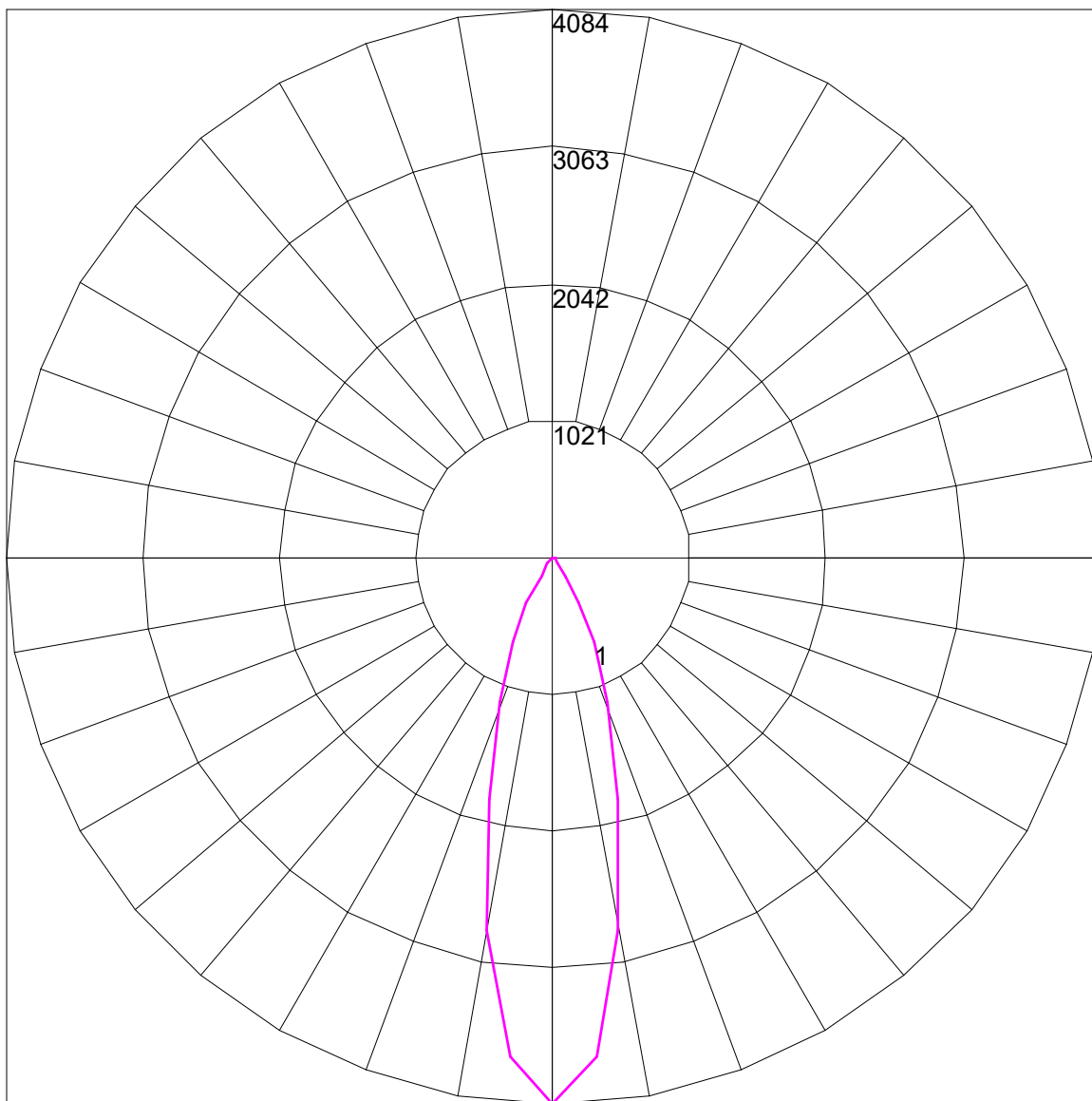
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	114	112	110	108	112	110	108	106	106	104	103	102	101	100	99	98	97	95
2	110	106	103	100	108	104	101	99	101	99	97	98	96	95	96	94	93	91
3	106	101	96	93	104	99	95	92	97	94	91	94	92	90	92	90	88	87
4	102	96	91	88	100	95	90	87	93	89	86	91	88	85	89	86	84	83
5	98	91	87	83	97	90	86	83	89	85	82	87	84	81	86	83	81	79
6	95	87	83	79	93	87	82	79	85	81	78	84	80	78	83	80	77	76
7	91	84	79	75	90	83	79	75	82	78	75	81	77	75	80	77	74	73
8	88	80	76	72	87	80	75	72	79	75	72	78	74	72	77	74	71	70
9	85	77	73	69	84	77	72	69	76	72	69	75	71	69	74	71	69	68
10	82	74	70	67	81	74	70	67	73	69	66	73	69	66	72	69	66	65

POLAR GRAPH



Maximum Candela = 4083.648 Located At Horizontal Angle = 0, Vertical Angle = 0
1 - Vertical Plane Through Horizontal Angles (0 - 180)