

IES INDOOR REPORT
PHOTOMETRIC FILENAME : SP-00567_12 ~ C0412XT-10LXXK-XWEX-BBXXMW.IES
DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST] SP-00567_12_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. LED Cylinder XT Series, Xtra Wide Beam
 [LUMCAT] C0412XT-10L-xxK-XW-EX-BB-xx-MW
 [OTHER] Matte White finish, Black baffle, no lens
 [OTHER] 53.9 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	721
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	79
Total Luminaire Watts	9.1
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	0.88
Spacing Criterion (90-270)	0.88
Spacing Criterion (Diagonal)	0.82
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	2773	3392	4029
55	277	302	400
65	274	368	408
75	404	490	726
85	345	857	852

IES INDOOR REPORT**PHOTOMETRIC FILENAME : SP-00567_12 ~ C0412XT-10LXXK-XWEX-BBXXMW.IES****CANDELA TABULATION**

	<u>0.0</u>	<u>22.5</u>	<u>45.0</u>	<u>67.5</u>	<u>90.0</u>
0	993.054	993.054	993.054	993.054	993.054
5	973.296	975.088	975.793	974.301	972.289
10	924.027	927.532	923.315	923.515	916.048
15	858.857	865.072	857.943	858.544	848.729
20	753.503	766.605	757.699	764.717	753.240
25	585.963	609.111	596.247	618.192	601.374
30	353.857	368.222	368.586	388.877	381.719
35	132.271	133.928	142.045	155.146	155.019
40	37.853	40.569	41.279	48.924	47.700
45	10.057	11.153	12.300	14.280	14.613
50	2.235	2.438	2.540	3.487	3.515
55	0.816	0.780	0.887	0.972	1.177
60	0.615	1.006	0.887	0.796	1.036
65	0.593	0.685	0.797	0.700	0.885
70	0.611	0.605	0.742	0.625	0.976
75	0.536	0.488	0.650	0.562	0.964
80	0.316	0.233	0.333	0.432	0.351
85	0.154	0.297	0.383	0.324	0.381
90	0.344	0.158	0.361	0.202	0.329

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Zone	Lumens	%Lamp	%Fixt
0-20	330.62	N.A.	45.80
0-30	597.50	N.A.	82.80
0-40	704.85	N.A.	97.70
0-60	719.53	N.A.	99.80
0-80	720.88	N.A.	100.00
0-90	721.21	N.A.	100.00
10-90	629.79	N.A.	87.30
20-40	374.23	N.A.	51.90
20-50	387.68	N.A.	53.80
40-70	15.43	N.A.	2.10
60-80	1.34	N.A.	0.20
70-80	0.59	N.A.	0.10
80-90	0.34	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	721.21	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	91.42
10-20	239.20
20-30	266.88
30-40	107.35
40-50	13.45
50-60	1.23
60-70	0.75
70-80	0.59
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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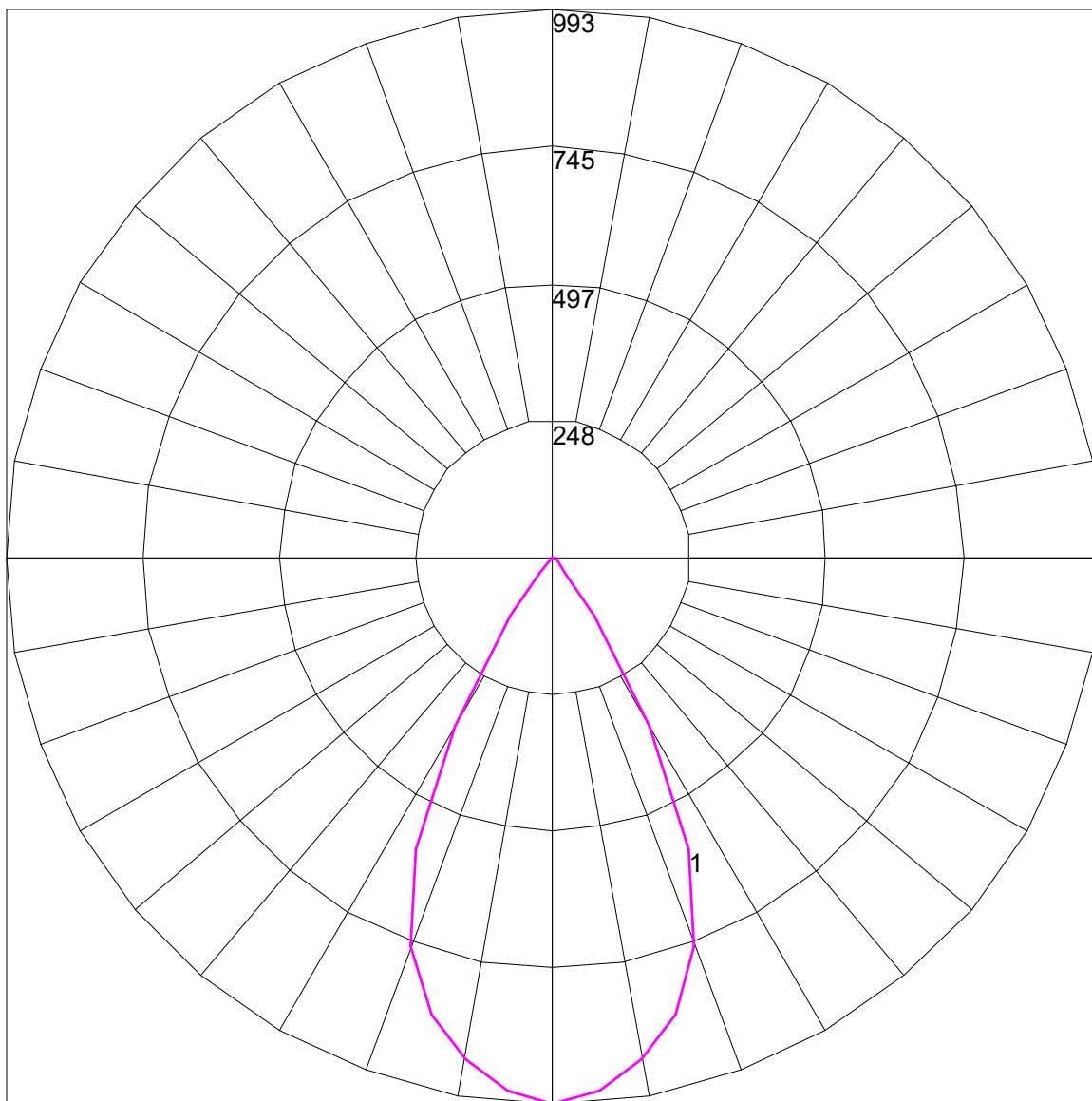
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	114	111	109	107	112	109	107	105	105	104	102	101	100	99	98	97	96	94
2	109	104	101	98	107	103	99	96	99	97	94	97	94	92	94	92	90	89
3	104	98	94	90	102	97	93	89	94	91	88	92	89	86	90	87	85	84
4	99	92	87	83	98	91	87	83	89	85	82	87	84	81	85	83	80	79
5	95	87	82	78	93	86	81	78	85	80	77	83	79	76	81	78	76	74
6	91	82	77	73	89	82	76	73	80	76	72	79	75	72	78	74	71	70
7	87	78	73	69	85	77	72	68	76	71	68	75	71	68	74	70	67	66
8	83	74	69	65	82	73	68	65	72	68	64	71	67	64	71	67	64	63
9	79	70	65	61	78	70	65	61	69	64	61	68	64	61	67	63	60	59
10	76	67	62	58	75	67	61	58	66	61	58	65	61	58	64	60	57	56

POLAR GRAPH



Maximum Candela = 993.054 Located At Horizontal Angle = 0, Vertical Angle = 0
1 - Vertical Plane Through Horizontal Angles (0 - 180)