

IES INDOOR REPORT

PHOTOMETRIC FILENAME : SP-00567_2 ~ C0412XT-10LXXK-NDEX-NLXXMW.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] SP-00567_2_M-10L
[TESTLAB] VLS-245-981
[MANUFAC] Spectrum Lighting
[ISSUEDATE] 4/17/2017
[UPDATE] 5/31/2017
[LUMINAIRE] 4"Nom. Diam x 11.5"H. LED Cylinder XT Series, Narrow Beam
[LUMCAT] C0412XT-10L-xxK-ND-EX-NL-xx-MW
[OTHER] Matte White finish, No lens
[OTHER] 18 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	742
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	82
Total Luminaire Watts	9.1
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	0.32
Spacing Criterion (90-270)	0.32
Spacing Criterion (Diagonal)	0.34
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	156	81	142
55	93	62	140
65	193	115	143
75	173	187	196
85	302	606	302

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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	4525.748	4525.748	4525.748	4525.748	4525.748
5	3631.015	3678.109	3632.845	3657.950	3599.493
10	1917.962	1919.639	1929.123	1917.915	1923.918
15	829.926	838.358	850.843	844.538	863.732
20	427.148	431.104	442.600	445.078	458.084
25	281.676	288.972	291.794	298.747	303.356
30	158.427	165.730	167.271	175.777	175.551
35	40.600	39.175	42.984	44.041	49.782
40	1.136	0.734	0.831	0.922	1.486
45	0.564	0.290	0.295	0.304	0.516
50	0.301	0.337	0.203	0.218	0.536
55	0.273	0.140	0.183	0.352	0.413
60	0.287	0.224	0.267	0.312	0.383
65	0.418	0.376	0.250	0.264	0.309
70	0.329	0.160	0.301	0.212	0.194
75	0.230	0.137	0.248	0.227	0.260
80	0.333	0.574	0.294	0.320	0.315
85	0.135	0.242	0.271	0.166	0.135
90	0.280	0.101	0.222	0.229	0.324

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Zone	Lumens	%Lamp	%Fixt
0-20	566.96	N.A.	76.40
0-30	702.33	N.A.	94.60
0-40	740.83	N.A.	99.80
0-60	741.44	N.A.	99.90
0-80	742.00	N.A.	100.00
0-90	742.28	N.A.	100.00
10-90	445.40	N.A.	60.00
20-40	173.87	N.A.	23.40
20-50	174.24	N.A.	23.50
40-70	0.90	N.A.	0.10
60-80	0.56	N.A.	0.10
70-80	0.28	N.A.	0.00
80-90	0.27	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	742.28	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	296.87
10-20	270.08
20-30	135.38
30-40	38.49
40-50	0.37
50-60	0.24
60-70	0.28
70-80	0.28
80-90	0.27
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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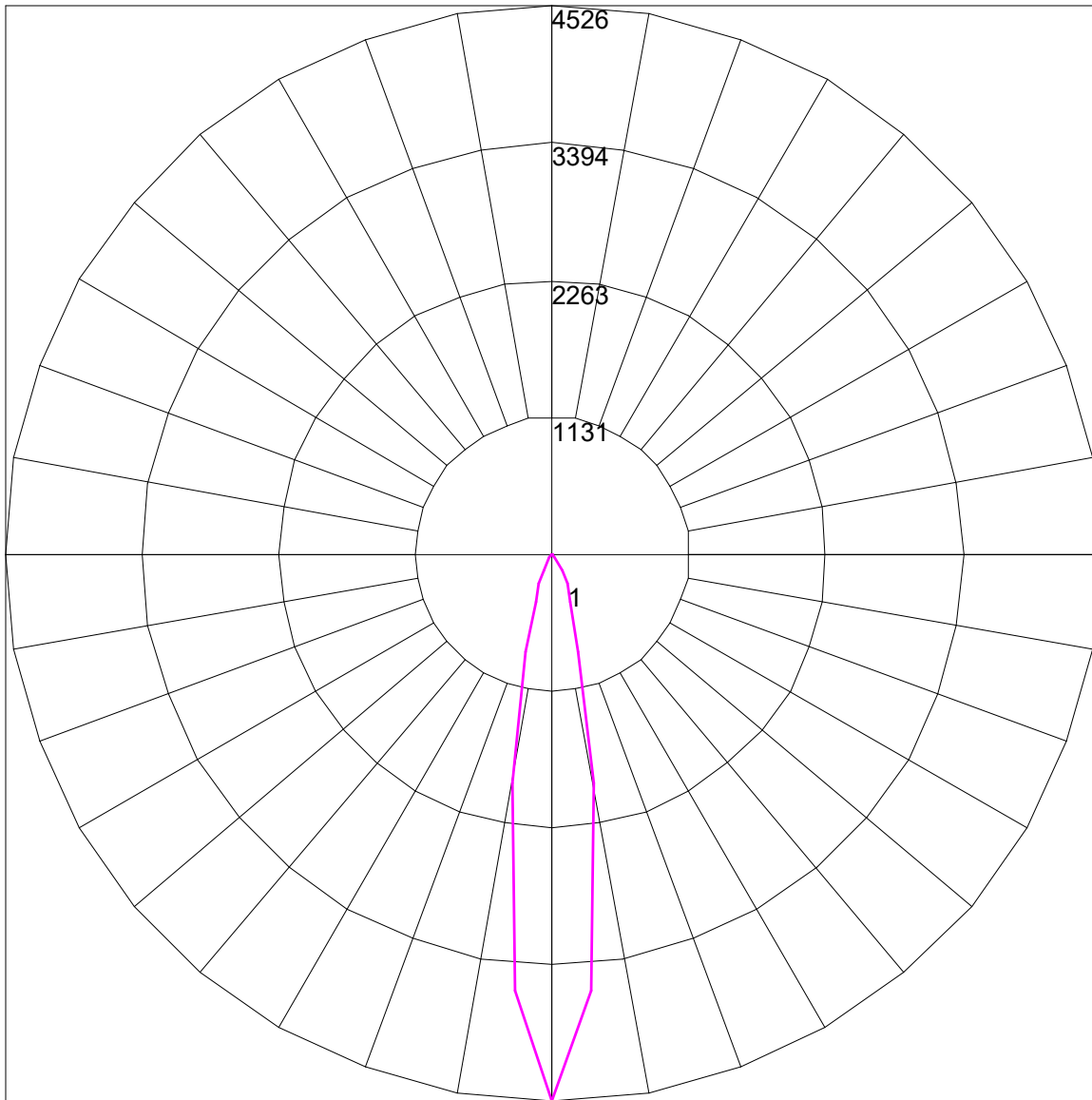
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	113	111	109	113	111	109	108	107	106	104	103	102	101	100	99	98	97
2	111	108	105	102	109	106	104	101	103	101	99	100	99	97	98	96	95	94
3	108	103	100	97	106	102	99	96	100	97	95	97	95	93	95	93	92	91
4	105	99	96	93	103	98	95	92	96	93	91	95	92	90	93	91	89	88
5	102	96	92	89	100	95	91	88	93	90	88	92	89	87	91	88	86	85
6	99	93	89	86	98	92	88	85	91	87	85	89	87	84	88	86	84	83
7	96	90	86	83	95	89	85	83	88	85	82	87	84	82	86	83	81	80
8	94	87	83	80	93	87	83	80	86	82	80	85	82	79	84	81	79	78
9	91	85	81	78	90	84	80	78	83	80	78	83	80	77	82	79	77	76
10	89	82	78	76	88	82	78	76	81	78	76	81	78	75	80	77	75	74

POLAR GRAPH



Maximum Candela = 4525.748 Located At Horizontal Angle = 0, Vertical Angle = 0
1 - Vertical Plane Through Horizontal Angles (0 - 180)