

IES INDOOR REPORT**PHOTOMETRIC FILENAME : SP-00574 ~ C0455SQXT-10LXXK-XWEX-FGXXMW.IES****DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002
[TEST] SP-00574
[TESTLAB] VLS-245-981
[MANUFAC] Spectrum Lighting
[ISSUEDATE] 6/15/2017
[UPDATE] 6/19/2017
[LUMCAT] C0455SQXT-10L-xxK-XW-EX-FG-xx-MW
[LUMINAIRE] Nom. 4.5" Square x 5"H Cylinder, Xtra Wide Beam
[OTHER] Matte White finish, Frosted Glass Lens
[OTHER] 75.7 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

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	533
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	59
Total Luminaire Watts	9.1
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.08
Spacing Criterion (90-270)	1.08
Spacing Criterion (Diagonal)	1.12
Basic Luminous Shape	Rectangular
Luminous Length (0-180)	0.38 ft
Luminous Width (90-270)	0.38 ft
Luminous Height	0.00 ft

IES INDOOR REPORT**PHOTOMETRIC FILENAME : SP-00574 ~ C0455SQXT-10LXXK-XWEX-FGXXMW.IES****LUMINANCE DATA (cd/sq.m)**

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	11403	12487	11011
55	7604	8010	7453
65	5492	5653	5514
75	3707	3607	3691
85	1202	1317	941

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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	320.789	320.789	320.789	320.789	320.789
5	317.814	318.234	318.353	318.328	318.596
10	310.592	311.438	310.882	310.418	311.737
15	298.899	299.558	297.593	297.709	298.535
20	281.327	282.635	281.111	280.713	279.864
25	256.220	258.513	256.821	256.014	253.300
30	224.242	227.029	226.830	222.798	219.215
35	184.284	189.404	191.627	183.590	178.390
40	141.913	150.260	151.829	142.540	136.245
45	105.439	111.745	115.467	107.249	101.817
50	77.746	82.135	83.647	79.103	74.964
55	57.035	60.366	60.076	58.447	55.898
60	41.880	44.152	43.858	41.691	41.964
65	30.354	31.127	31.239	31.148	30.473
70	20.481	21.507	20.181	20.641	20.009
75	12.545	12.415	12.208	12.586	12.493
80	4.993	4.817	5.244	4.914	5.142
85	1.370	1.631	1.501	1.590	1.073
90	0.700	0.711	0.612	0.648	0.720

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Zone	Lumens	%Lamp	%Fixt
0-20	114.07	N.A.	21.40
0-30	231.36	N.A.	43.40
0-40	347.36	N.A.	65.10
0-60	486.79	N.A.	91.20
0-80	531.13	N.A.	99.60
0-90	533.49	N.A.	100.00
10-90	503.34	N.A.	94.30
20-40	233.29	N.A.	43.70
20-50	318.94	N.A.	59.80
40-70	170.46	N.A.	32.00
60-80	44.35	N.A.	8.30
70-80	13.31	N.A.	2.50
80-90	2.36	N.A.	0.40
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	533.49	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	30.15
10-20	83.92
20-30	117.29
30-40	116.00
40-50	85.66
50-60	53.77
60-70	31.03
70-80	13.31
80-90	2.36
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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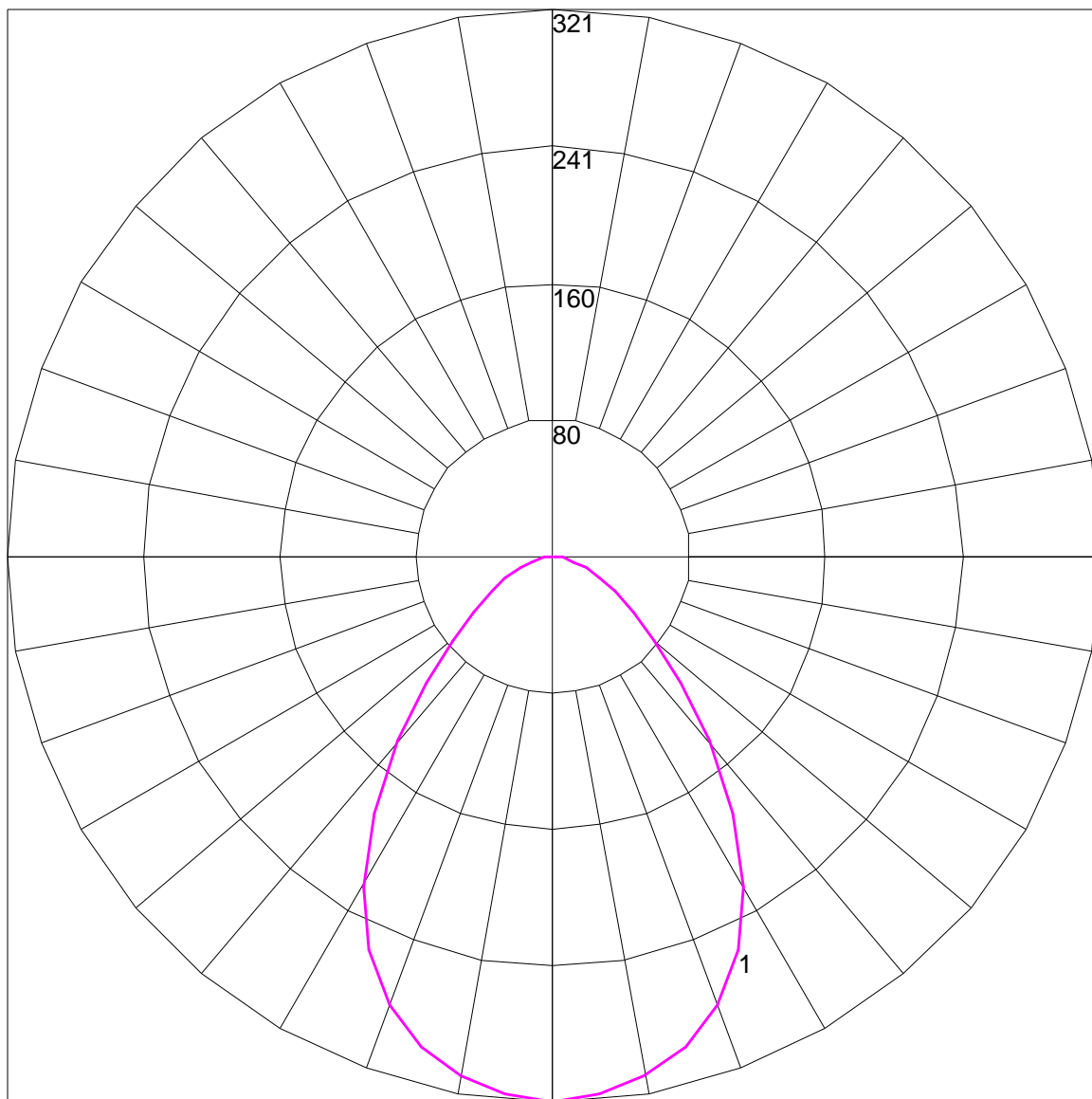
COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	111	108	104	101	109	105	102	100	101	99	97	97	95	94	94	92	91	89
2	103	97	91	87	101	95	90	86	92	87	84	88	85	82	86	83	80	78
3	96	87	81	75	94	86	80	75	83	78	74	80	76	72	78	74	71	69
4	89	79	72	66	87	78	71	66	76	70	65	74	68	64	71	67	63	62
5	83	72	65	59	81	71	64	59	69	63	58	67	62	58	66	61	57	55
6	78	66	59	53	76	65	58	53	64	57	52	62	56	52	61	56	52	50
7	73	61	53	48	71	60	53	48	59	52	47	57	52	47	56	51	47	45
8	68	56	49	44	67	56	48	44	54	48	43	53	47	43	52	47	43	41
9	64	52	45	40	63	52	45	40	51	44	40	50	44	40	49	43	39	38
10	60	49	42	37	59	48	41	37	47	41	37	46	41	36	46	40	36	35

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POLAR GRAPH



Maximum Candela = 320.789 Located At Horizontal Angle = 0, Vertical Angle = 0
1 - Vertical Plane Through Horizontal Angles (0 - 180)