

IES INDOOR REPORT
PHOTOMETRIC FILENAME : SP-00574_1 ~ C0455SQXT-10LXXK-XWEX-GLXXMW.IES
DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST] SP-00574_1
 [TESTLAB] VLS-245-981
 [MANUFAC] Spectrum Lighting
 [ISSUEDATE] 6/15/2017
 [UPDATE] 6/19/2017
 [LUMCAT] C0455SQXT-10L-xxK-XW-EX-GL-xx-MW
 [LUMINAIRE] Nom. 4.5" Square x 5"H Cylinder, Xtra Wide Beam
 [OTHER] Matte White finish, Clear Glass Lens
 [OTHER] 85.9 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

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	689
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	76
Total Luminaire Watts	9.1
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.26
Spacing Criterion (90-270)	1.24
Spacing Criterion (Diagonal)	1.34
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_1 ~ C0455SQXT-10LXXK-XWEX-GLXXMW.IES****LUMINANCE DATA (cd/sq.m)**

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	16652	24205	14667
55	5233	9864	4536
65	3132	3408	2787
75	2962	2526	1915
85	1529	1572	1808

IES INDOOR REPORT**PHOTOMETRIC FILENAME : SP-00574_1 ~ C0455SQXT-10LXXK-XWEX-GLXXMW.IES****CANDELA TABULATION**

	<u>0.0</u>	<u>22.5</u>	<u>45.0</u>	<u>67.5</u>	<u>90.0</u>
0	371.099	371.099	371.099	371.099	371.099
5	369.542	368.565	368.625	369.629	369.583
10	364.049	365.375	364.314	364.432	365.275
15	357.054	359.405	357.697	358.796	357.084
20	347.728	349.072	347.677	348.438	348.066
25	335.713	335.870	335.314	332.789	333.941
30	318.403	319.611	317.221	318.431	315.262
35	287.548	297.380	296.907	291.885	277.389
40	230.800	252.941	273.917	238.608	213.405
45	153.973	187.742	223.817	164.408	135.617
50	80.237	111.098	147.011	88.895	68.244
55	39.253	50.321	73.982	42.313	34.021
60	27.082	29.125	30.879	27.707	22.468
65	17.307	19.540	18.835	15.718	15.400
70	12.829	13.662	12.052	11.325	11.156
75	10.024	9.986	8.549	8.678	6.480
80	5.065	4.756	4.764	4.102	3.950
85	1.743	1.723	1.792	1.756	2.061
90	0.995	0.678	1.269	0.510	1.015

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Zone	Lumens	%Lamp	%Fixt
0-20	136.21	N.A.	19.80
0-30	290.44	N.A.	42.10
0-40	470.23	N.A.	68.20
0-60	659.19	N.A.	95.60
0-80	686.98	N.A.	99.60
0-90	689.43	N.A.	100.00
10-90	654.33	N.A.	94.90
20-40	334.02	N.A.	48.40
20-50	470.79	N.A.	68.30
40-70	207.64	N.A.	30.10
60-80	27.79	N.A.	4.00
70-80	9.11	N.A.	1.30
80-90	2.45	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	689.43	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	35.10
10-20	101.11
20-30	154.23
30-40	179.79
40-50	136.77
50-60	52.19
60-70	18.68
70-80	9.11
80-90	2.45
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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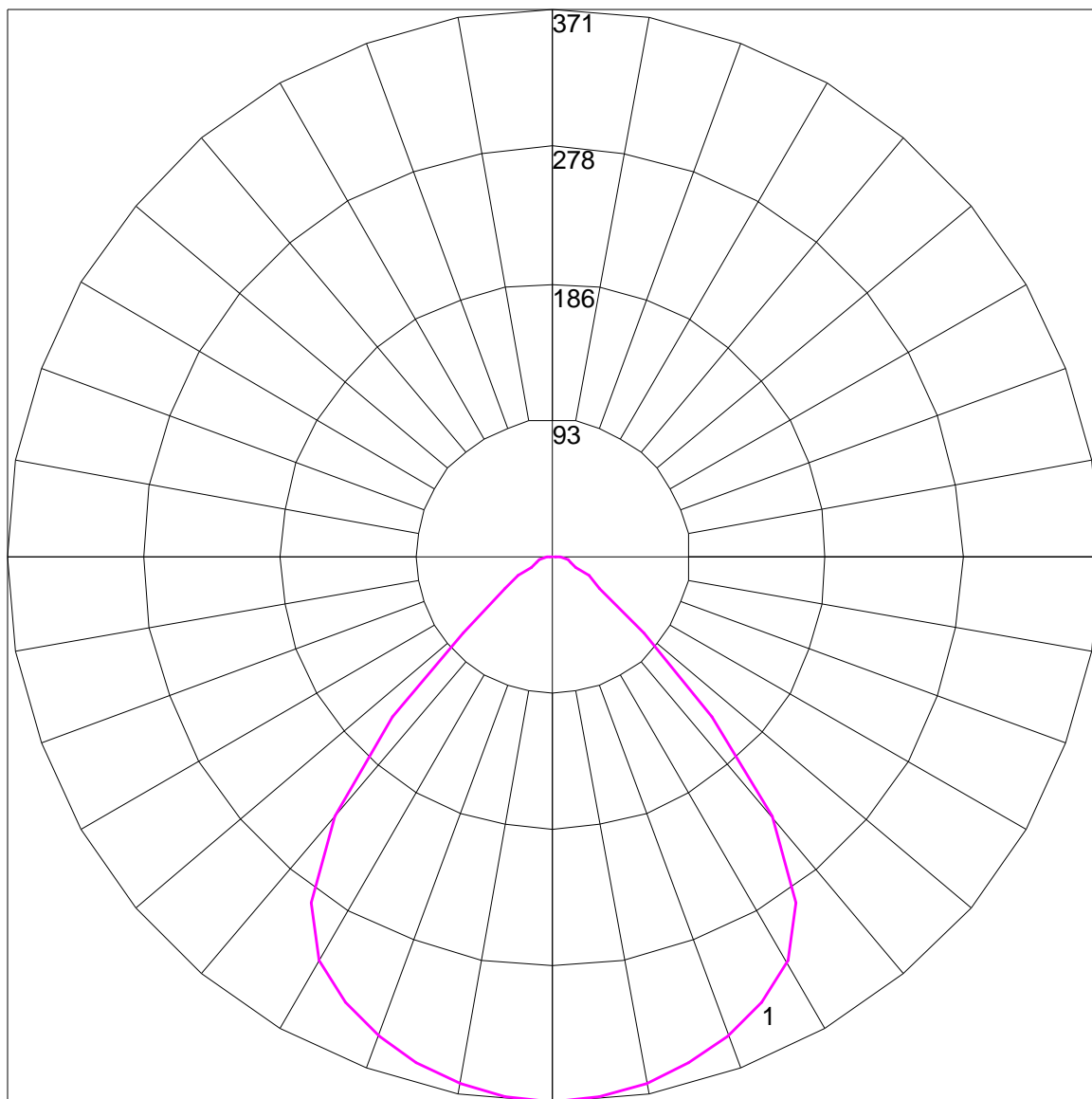
COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	112	108	105	102	109	106	103	101	102	100	98	98	96	95	95	93	92	90
2	104	98	93	89	102	96	92	88	93	89	86	90	87	84	87	84	82	80
3	97	89	83	77	95	87	82	77	85	80	76	82	78	74	80	76	73	71
4	90	81	74	68	88	80	73	68	77	72	67	75	70	66	73	69	65	64
5	84	74	66	61	82	73	66	61	71	65	60	69	64	59	67	63	59	57
6	79	67	60	55	77	67	59	54	65	59	54	63	58	53	62	57	53	51
7	74	62	54	49	72	61	54	49	60	53	49	58	53	48	57	52	48	46
8	69	57	50	45	67	56	49	45	55	49	44	54	48	44	53	48	44	42
9	65	53	46	41	63	52	45	41	51	45	40	50	44	40	49	44	40	38
10	61	49	42	37	60	49	42	37	48	41	37	47	41	37	46	41	37	35

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POLAR GRAPH



Maximum Candela = 371.099 Located At Horizontal Angle = 0, Vertical Angle = 0
1 - Vertical Plane Through Horizontal Angles (0 - 180)