

IES INDOOR REPORT
PHOTOMETRIC FILENAME : SP-00574_2 ~ C0455SQXT-10LXXK-XWEX-NLXXMW.IES
DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST] SP-00574.2
 [TESTLAB] VLS-245-981
 [MANUFAC] Spectrum Lighting
 [ISSUEDATE] 6/15/2017
 [UPDATE] 6/19/2017
 [LUMCAT] C0455SQXT-10L-xxK-XW-EX-NL-xx-MW
 [LUMINAIRE] Nom. 4.5" Square x 5"H Cylinder, Xtra Wide Beam
 [OTHER] Matte White finish, No Lens
 [OTHER] 84.3 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	768
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	84
Total Luminaire Watts	9.1
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.24
Spacing Criterion (90-270)	1.26
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_2 ~ C0455SQXT-10LXXK-XWEX-NLXXMW.IES****LUMINANCE DATA (cd/sq.m)**

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	16615	26527	17177
55	4367	9832	4480
65	2853	3423	2655
75	3270	2819	2922
85	1590	1634	1799

IES INDOOR REPORT**PHOTOMETRIC FILENAME : SP-00574_2 ~ C0455SQXT-10LXXK-XWEX-NLXXMW.IES****CANDELA TABULATION**

	<u>0.0</u>	<u>22.5</u>	<u>45.0</u>	<u>67.5</u>	<u>90.0</u>
0	421.479	421.479	421.479	421.479	421.479
5	419.190	418.788	421.238	421.575	421.550
10	413.424	414.420	415.147	417.498	417.783
15	405.548	406.535	409.102	410.177	408.419
20	395.336	396.398	397.560	397.662	397.503
25	379.368	380.338	382.455	385.252	383.114
30	358.975	364.176	364.320	367.556	363.459
35	314.549	336.789	342.804	335.327	320.991
40	241.485	276.101	309.912	277.489	248.193
45	153.637	191.932	245.289	191.412	158.830
50	75.276	103.930	154.256	103.148	75.869
55	32.753	40.571	73.744	39.113	33.601
60	20.963	24.670	31.896	25.611	21.714
65	15.766	16.747	18.915	15.437	14.675
70	13.155	13.792	13.963	13.423	13.254
75	11.067	11.763	9.542	11.808	9.889
80	6.471	6.231	6.121	6.146	5.596
85	1.812	1.238	1.862	1.717	2.050
90	1.458	0.650	1.332	0.938	1.036

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Zone	Lumens	%Lamp	%Fixt
0-20	155.21	N.A.	20.20
0-30	331.43	N.A.	43.20
0-40	535.96	N.A.	69.80
0-60	735.97	N.A.	95.90
0-80	764.90	N.A.	99.60
0-90	767.77	N.A.	100.00
10-90	727.79	N.A.	94.80
20-40	380.75	N.A.	49.60
20-50	530.11	N.A.	69.00
40-70	217.98	N.A.	28.40
60-80	28.92	N.A.	3.80
70-80	10.96	N.A.	1.40
80-90	2.87	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	767.77	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	39.98
10-20	115.23
20-30	176.23
30-40	204.53
40-50	149.35
50-60	50.66
60-70	17.96
70-80	10.96
80-90	2.87
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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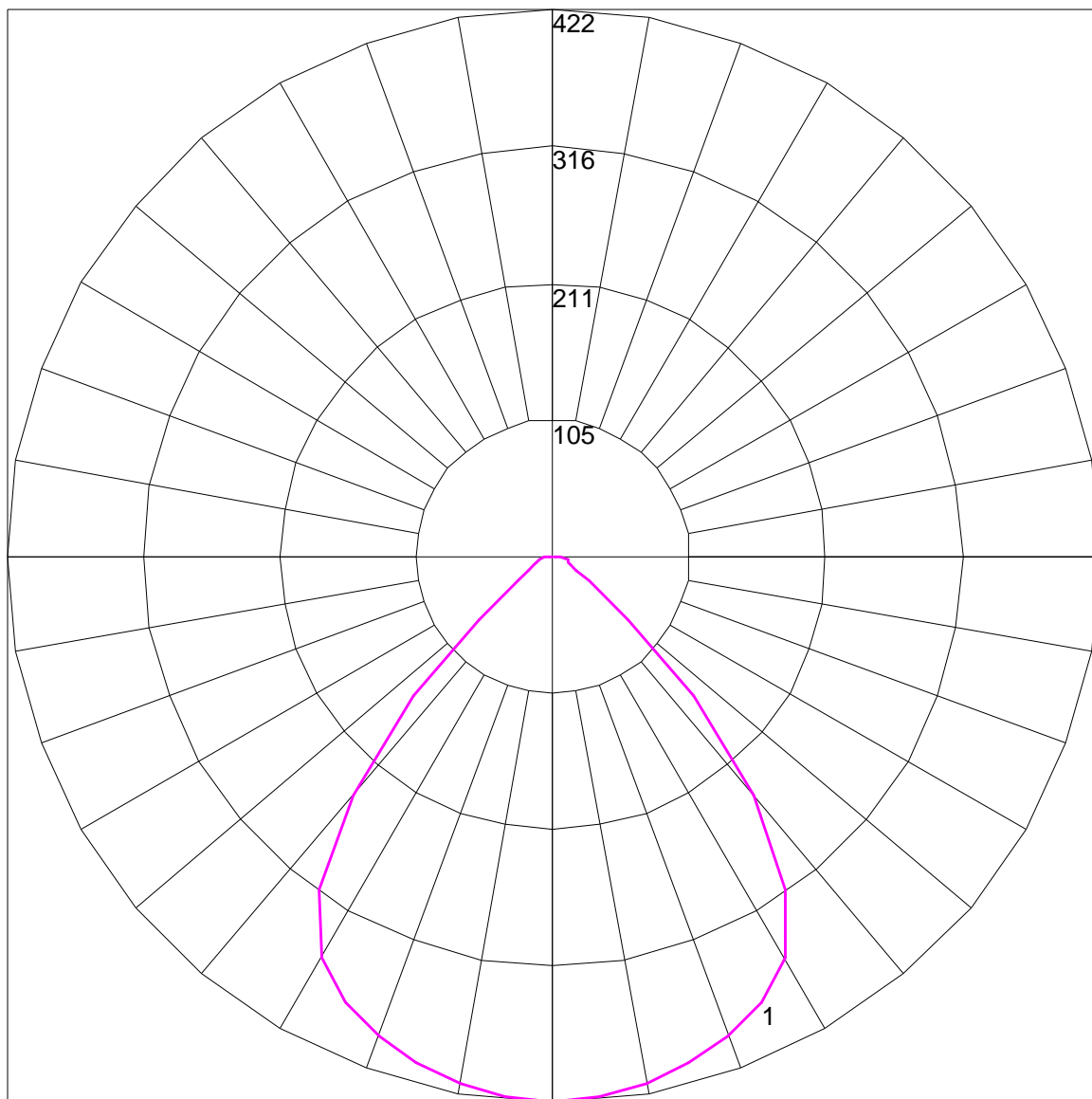
COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	78	95	88	82	77	85	80	76	82	78	75	80	76	73	72
4	91	81	74	69	89	80	73	68	78	72	68	76	71	67	74	69	66	64
5	85	74	67	61	83	73	66	61	71	65	61	69	64	60	68	63	59	58
6	79	68	61	55	77	67	60	55	65	59	55	64	58	54	62	58	54	52
7	74	62	55	50	72	62	55	50	60	54	49	59	53	49	58	53	49	47
8	69	58	50	45	68	57	50	45	56	49	45	55	49	45	54	48	44	43
9	65	53	46	41	64	53	46	41	52	45	41	51	45	41	50	45	41	39
10	61	50	43	38	60	49	42	38	48	42	38	47	42	38	46	41	37	36

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POLAR GRAPH



Maximum Candela = 421.575 Located At Horizontal Angle = 67.5, Vertical Angle = 5
1 - Vertical Plane Through Horizontal Angles (0 - 180)