

IES INDOOR REPORT**PHOTOMETRIC FILENAME : SP-00545_39 ~ SR3DMX-XT13LE1-RDD3X-XXK-NDMWNL.IES****DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002
[TEST] SP-00545_39_M-13L
[TESTLAB] VLS-245-981
[MANUFAC] Spectrum Lighting
[ISSUE DATE] 2/15/2017
[UPDATE] 4/26/2017
[LUMCAT] SR3DMx-XT13L-E1-RDD3x-xxK-ND-MW-NL
[LUMINAIRE] Nom. 3" Round Downlight, Deep profile, Narrow Beam
[OTHER] Matte White Trim, No Lens
[OTHER] 22.8 Degree Beam Angle
[LAMP] N/A, 19mm
[LAMPCAT] N/A, Min. 83 CRI
[OTHER] Total Luminaire Watts is approximate
[OTHER] For New Construction Non-IC Housing: SR3DMO-XT-series
[OTHER] For New Construction IC Rated Housing: SR3DMI-XT-Series
[OTHER] For Remodel/Retrofit Housing: SR3DMR-XT-Series
[OTHER] For RDD3F or RDD3N Downlight Trim
[OTHER] LEDXT lumen output is the same for all available CCT's
[OTHER] This report prepared by Spectrum Lighting, scaled from 20L

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	1508
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	101
Total Luminaire Watts	15
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	0.42
Spacing Criterion (90-270)	0.42
Spacing Criterion (Diagonal)	0.52
Basic Luminous Shape	Circular
Luminous Length (0-180)	0.00 ft
Luminous Width (90-270)	0.29 ft (Diameter)
Luminous Height	0.00 ft

IES INDOOR REPORT**PHOTOMETRIC FILENAME : SP-00545_39 ~ SR3DMX-XT13LE1-RDD3X-XXK-NDMWNL.IES****LUMINANCE DATA (cd/sq.m)**

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	2105	3234	2105
55	1802	2657	1802
65	2163	3599	2163
75	1231	2137	1231
85	2309	2598	2309

IES INDOOR REPORT**PHOTOMETRIC FILENAME : SP-00545_39 ~ SR3DMX-XT13LE1-RDD3X-XXK-NDMWNL.IES****CANDELA TABULATION**

	<u>0.0</u>	<u>22.5</u>	<u>45.0</u>	<u>67.5</u>	<u>90.0</u>
0	4419.663	4419.663	4419.663	4419.663	4419.663
5	4046.064	4265.986	4418.097	4265.986	4046.064
10	2773.762	3265.830	3634.024	3265.830	2773.762
15	1637.440	1866.858	2045.120	1866.858	1637.440
20	1132.369	1261.346	1347.586	1261.346	1132.369
25	770.424	881.934	943.607	881.934	770.424
30	462.963	557.549	605.632	557.549	462.963
35	134.023	214.837	265.641	214.837	134.023
40	11.404	15.900	27.459	15.900	11.404
45	9.271	11.903	14.242	11.903	9.271
50	8.921	10.146	10.994	10.146	8.921
55	6.436	7.764	9.491	7.764	6.436
60	8.842	8.492	8.967	8.492	8.842
65	5.693	8.198	9.472	8.198	5.693
70	3.942	5.216	6.293	5.216	3.942
75	1.984	2.435	3.444	2.435	1.984
80	1.415	1.888	2.153	1.888	1.415
85	1.253	1.208	1.410	1.208	1.253
90	0.000	0.000	0.000	0.000	0.000

IES INDOOR REPORT**PHOTOMETRIC FILENAME : SP-00545_39 ~ SR3DMX-XT13LE1-RDD3X-XXK-NDMWNL.IES****ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	929.10	N.A.	61.60
0-30	1330.58	N.A.	88.20
0-40	1479.04	N.A.	98.10
0-60	1496.65	N.A.	99.20
0-80	1507.19	N.A.	99.90
0-90	1508.38	N.A.	100.00
10-90	1137.03	N.A.	75.40
20-40	549.95	N.A.	36.50
20-50	559.83	N.A.	37.10
40-70	24.95	N.A.	1.70
60-80	10.54	N.A.	0.70
70-80	3.20	N.A.	0.20
80-90	1.19	N.A.	0.10
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	1508.38	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	371.35
10-20	557.75
20-30	401.48
30-40	148.46
40-50	9.88
50-60	7.72
60-70	7.34
70-80	3.20
80-90	1.19
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

IES INDOOR REPORT

PHOTOMETRIC FILENAME : SP-00545_39 ~ SR3DMX-XT13LE1-RDD3X-XXK-NDMWNL.IES

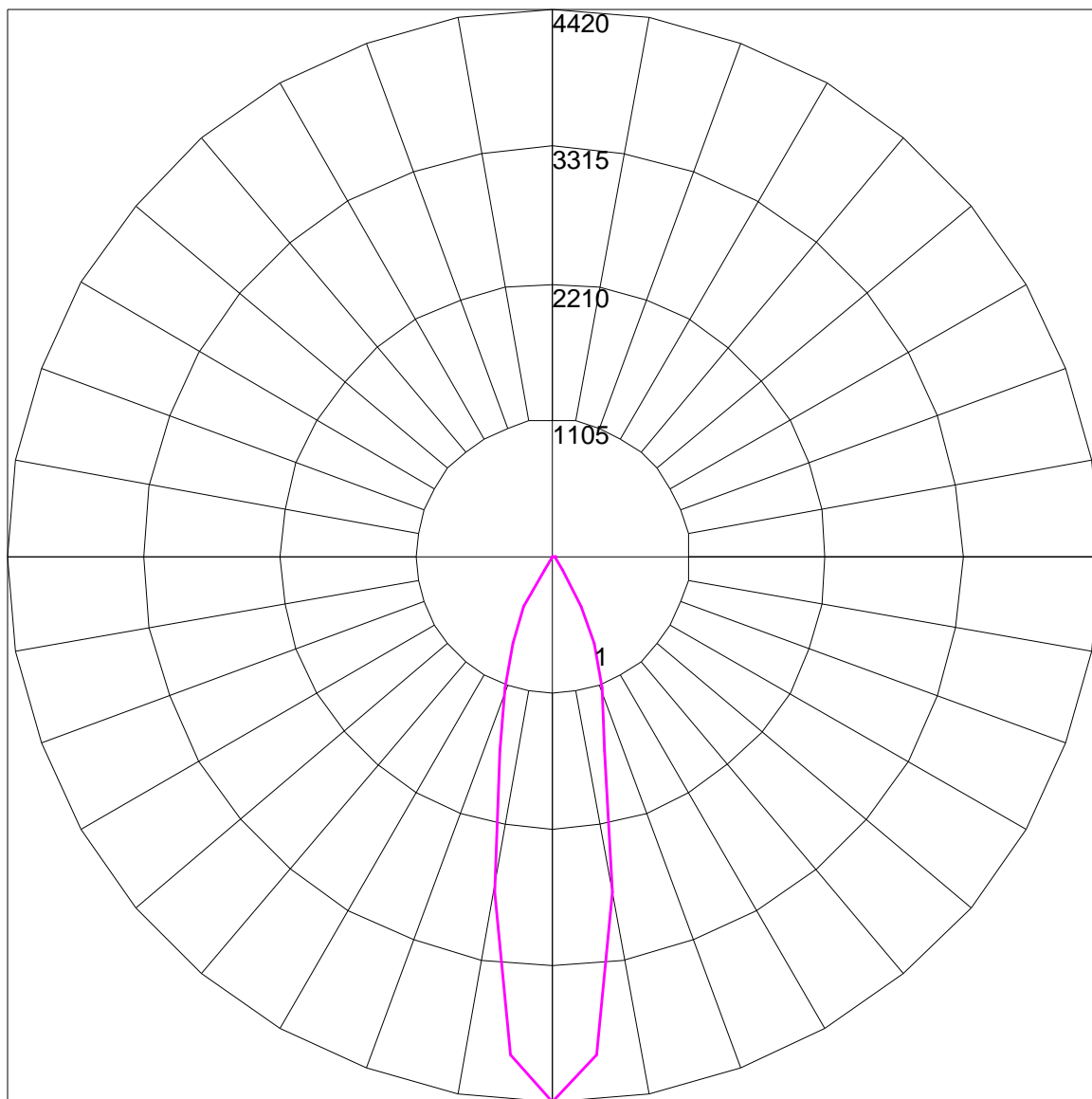
COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	112	110	108	112	110	108	106	106	104	103	102	101	100	99	98	97	95
2	110	106	102	100	108	104	101	98	101	98	96	98	96	94	95	94	92	91
3	106	100	96	93	104	99	95	92	96	93	91	94	91	89	92	90	88	87
4	102	95	91	87	100	94	90	87	92	89	86	90	87	85	89	86	84	83
5	98	91	86	83	96	90	86	82	88	85	82	87	84	81	85	83	80	79
6	94	87	82	79	93	86	82	78	85	81	78	84	80	77	82	79	77	76
7	91	83	78	75	90	83	78	75	82	77	74	80	77	74	79	76	74	73
8	88	80	75	72	87	79	75	72	78	74	71	77	74	71	77	73	71	70
9	85	77	72	69	84	76	72	69	76	71	68	75	71	68	74	71	68	67
10	82	74	69	66	81	74	69	66	73	69	66	72	68	66	72	68	66	65

IES INDOOR REPORT
PHOTOMETRIC FILENAME : SP-00545_39 ~ SR3DMX-XT13LE1-RDD3X-XXK-NDMWNL.IES

POLAR GRAPH



Maximum Candela = 4419.663 Located At Horizontal Angle = 0, Vertical Angle = 0
1 - Vertical Plane Through Horizontal Angles (0 - 180)