

IES INDOOR REPORT**PHOTOMETRIC FILENAME : SP-00545_40 ~ SR3DMX-XT10LE1-RDD3X-XXK-NDMWSO.IES****DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002
[TEST] SP-00545_40_M-10L
[TESTLAB] VLS-245-981
[MANUFAC] Spectrum Lighting
[ISSUE DATE] 2/15/2017
[UPDATE] 4/26/2017
[LUMCAT] SR3DMx-XT10L-E1-RDD3x-xxK-ND-MW-SO
[LUMINAIRE] Nom. 3" Round Downlight, Deep profile, Narrow Beam
[OTHER] Matte White Trim, Solite Lens
[OTHER] 24.6 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	867
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	78
Total Luminaire Watts	11.1
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	0.44
Spacing Criterion (90-270)	0.44
Spacing Criterion (Diagonal)	0.48
Basic Luminous Shape	Circular
Luminous Length (0-180)	0.00 ft
Luminous Width (90-270)	0.29 ft (Diameter)
Luminous Height	0.00 ft

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Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	5052	4953	4822
55	3720	3886	3567
65	2645	3193	3336
75	1792	1215	1330
85	2095	1826	1664

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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	2758.730	2758.730	2758.730	2758.730	2758.730
5	2523.187	2517.132	2514.148	2507.230	2498.827
10	1741.278	1758.045	1774.405	1770.051	1750.389
15	1046.749	1068.420	1084.877	1097.150	1089.220
20	689.284	699.505	711.568	722.298	722.635
25	464.135	471.108	477.528	482.246	483.886
30	259.908	266.789	271.759	276.699	277.082
35	84.794	90.230	95.155	96.295	95.315
40	30.302	32.831	32.255	32.654	33.742
45	22.245	22.347	21.809	22.511	21.233
50	17.063	17.076	17.415	17.271	16.603
55	13.288	14.107	13.881	13.353	12.739
60	8.537	10.758	9.769	10.239	10.958
65	6.962	7.670	8.404	7.175	8.779
70	4.592	4.617	5.369	4.118	4.591
75	2.889	1.806	1.959	2.284	2.143
80	1.558	1.890	1.531	1.100	1.231
85	1.137	1.020	0.991	0.756	0.903
90	0.000	0.000	0.000	0.000	0.000

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Zone	Lumens	%Lamp	%Fixt
0-20	531.97	N.A.	61.40
0-30	750.92	N.A.	86.60
0-40	825.42	N.A.	95.20
0-60	855.61	N.A.	98.70
0-80	865.87	N.A.	99.90
0-90	866.79	N.A.	100.00
10-90	650.86	N.A.	75.10
20-40	293.45	N.A.	33.90
20-50	311.48	N.A.	35.90
40-70	37.70	N.A.	4.30
60-80	10.26	N.A.	1.20
70-80	2.75	N.A.	0.30
80-90	0.92	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	866.79	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	215.93
10-20	316.04
20-30	218.95
30-40	74.50
40-50	18.03
50-60	12.17
60-70	7.51
70-80	2.75
80-90	0.92
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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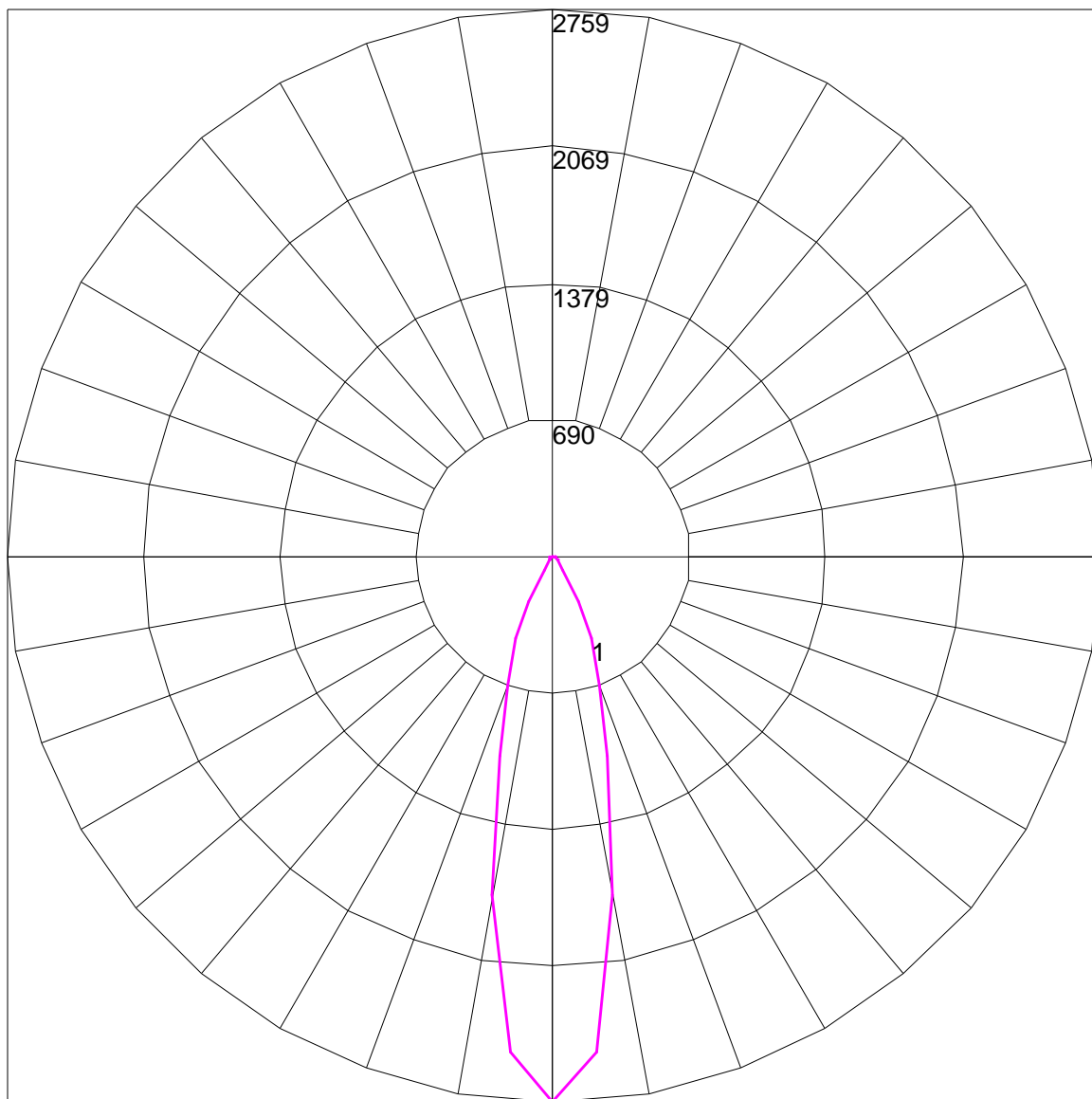
COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	114	112	110	108	112	110	108	106	106	104	103	102	101	100	99	98	97	95
2	110	105	102	99	107	104	101	98	101	98	96	98	96	94	95	93	92	90
3	105	100	95	92	103	98	94	91	96	93	90	93	91	89	91	89	87	86
4	101	95	90	86	99	94	89	86	92	88	85	90	87	84	88	85	83	82
5	97	90	85	82	96	89	85	81	88	84	81	86	83	80	85	82	79	78
6	94	86	81	78	92	85	81	77	84	80	77	83	79	76	81	78	76	75
7	90	83	78	74	89	82	77	74	81	77	73	80	76	73	79	75	73	72
8	87	79	74	71	86	79	74	71	78	73	70	77	73	70	76	72	70	69
9	84	76	71	68	83	76	71	68	75	71	68	74	70	67	73	70	67	66
10	81	73	69	65	80	73	68	65	72	68	65	71	68	65	71	67	65	64

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POLAR GRAPH



Maximum Candela = 2758.73 Located At Horizontal Angle = 0, Vertical Angle = 0
1 - Vertical Plane Through Horizontal Angles (0 - 180)