

IES INDOOR REPORT**PHOTOMETRIC FILENAME : SP-00545_39 ~ SR3DMX-XT20LE1-RDD3X-XXK-NDMWNL.IES****DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002
[TEST] SP-00545_39
[TESTLAB] VLS-245-981
[MANUFAC] Spectrum Lighting
[ISSUEDATE] 2/15/2017
[UPDATE] 4/26/2017
[LUMCAT] SR3DMx-XT20L-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

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	2321
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	98
Total Luminaire Watts	23.7
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

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Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	3239	4976	3239
55	2772	4088	2772
65	3328	5537	3328
75	1894	3288	1894
85	3551	3996	3551

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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	6799.482	6799.482	6799.482	6799.482	6799.482
5	6224.714	6563.055	6797.073	6563.055	6224.714
10	4267.327	5024.354	5590.807	5024.354	4267.327
15	2519.139	2872.089	3146.338	2872.089	2519.139
20	1742.106	1940.532	2073.209	1940.532	1742.106
25	1185.268	1356.822	1451.703	1356.822	1185.268
30	712.251	857.767	931.741	857.767	712.251
35	206.190	330.519	408.679	330.519	206.190
40	17.545	24.461	42.245	24.461	17.545
45	14.263	18.312	21.911	18.312	14.263
50	13.725	15.609	16.914	15.609	13.725
55	9.902	11.944	14.601	11.944	9.902
60	13.603	13.065	13.796	13.065	13.603
65	8.758	12.612	14.572	12.612	8.758
70	6.064	8.025	9.681	8.025	6.064
75	3.053	3.746	5.299	3.746	3.053
80	2.177	2.904	3.312	2.904	2.177
85	1.927	1.859	2.169	1.859	1.927
90	0.000	0.000	0.000	0.000	0.000

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Zone	Lumens	%Lamp	%Fixt
0-20	1429.38	N.A.	61.60
0-30	2047.05	N.A.	88.20
0-40	2275.45	N.A.	98.10
0-60	2302.54	N.A.	99.20
0-80	2318.76	N.A.	99.90
0-90	2320.59	N.A.	100.00
10-90	1749.28	N.A.	75.40
20-40	846.07	N.A.	36.50
20-50	861.27	N.A.	37.10
40-70	38.38	N.A.	1.70
60-80	16.22	N.A.	0.70
70-80	4.93	N.A.	0.20
80-90	1.83	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	2320.59	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	571.31
10-20	858.07
20-30	617.67
30-40	228.40
40-50	15.20
50-60	11.88
60-70	11.29
70-80	4.93
80-90	1.83
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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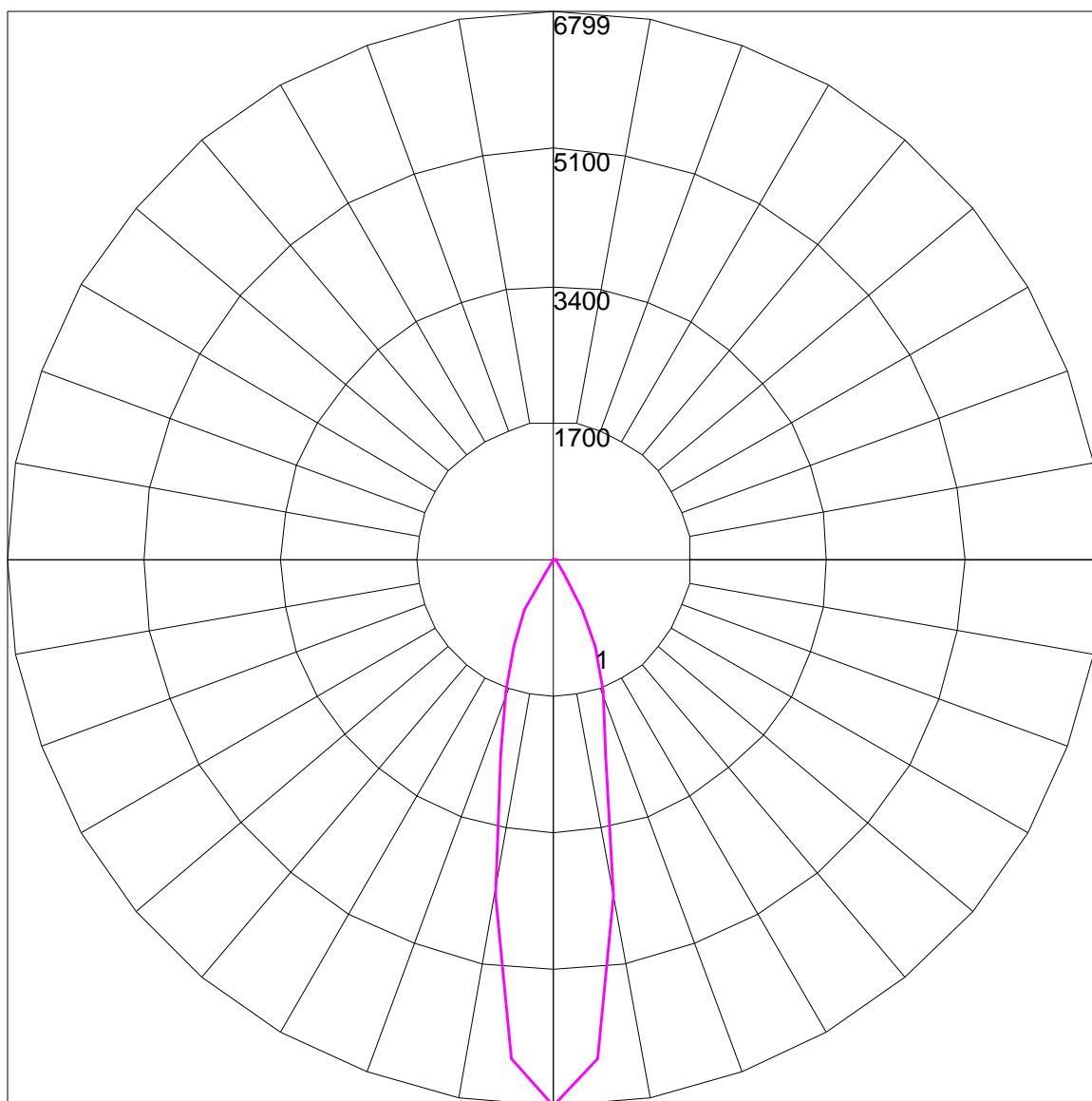
COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	106	102	99	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	83	81	85	82	80	79
6	94	87	82	79	93	86	82	78	85	81	78	83	80	77	82	79	77	76
7	91	83	78	75	90	83	78	75	81	77	74	80	77	74	79	76	74	72
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	71	68	66	64

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POLAR GRAPH



Maximum Candela = 6799.482 Located At Horizontal Angle = 0, Vertical Angle = 0
1 - Vertical Plane Through Horizontal Angles (0 - 180)