

IES INDOOR REPORT**PHOTOMETRIC FILENAME : SP-00545_42 ~ SR3DMX-XT20LE1-RDD3X-XXK-MDMWNL.IES****DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002
[TEST] SP-00545_42
[TESTLAB] VLS-245-981
[MANUFAC] Spectrum Lighting
[ISSUE DATE] 2/15/2017
[UPDATE] 4/26/2017
[LUMCAT] SR3DMx-XT20L-E1-RDD3x-xxK-MD-MW-NL
[LUMINAIRE] Nom. 3" Round Downlight, Deep profile, Medium Beam
[OTHER] Matte White Trim, No Lens
[OTHER] 45.9 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	1789
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	75
Total Luminaire Watts	23.7
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	0.66
Spacing Criterion (90-270)	0.66
Spacing Criterion (Diagonal)	0.74
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	5836	6916	5836
55	4317	4975	4317
65	3188	3953	3188
75	1886	2544	1886
85	2845	2777	2845

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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	3506.011	3506.011	3506.011	3506.011	3506.011
5	3285.211	3344.134	3414.350	3344.134	3285.211
10	2782.355	2888.168	3019.586	2888.168	2782.355
15	2350.445	2449.082	2561.405	2449.082	2350.445
20	1846.420	2003.113	2138.762	2003.113	1846.420
25	1185.211	1360.940	1549.616	1360.940	1185.211
30	443.996	619.164	835.360	619.164	443.996
35	70.623	123.040	210.445	123.040	70.623
40	39.583	42.757	42.520	42.757	39.583
45	25.696	30.176	30.452	30.176	25.696
50	20.022	23.147	24.508	23.147	20.022
55	15.420	16.682	17.768	16.682	15.420
60	11.897	13.147	13.789	13.147	11.897
65	8.389	8.805	10.403	8.805	8.389
70	5.020	5.953	7.195	5.953	5.020
75	3.040	2.800	4.101	2.800	3.040
80	1.762	2.182	1.921	2.182	1.762
85	1.544	1.649	1.507	1.649	1.544
90	0.000	0.000	0.000	0.000	0.000

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Zone	Lumens	%Lamp	%Fixt
0-20	989.16	N.A.	55.30
0-30	1594.07	N.A.	89.10
0-40	1735.14	N.A.	97.00
0-60	1774.17	N.A.	99.20
0-80	1787.17	N.A.	99.90
0-90	1788.58	N.A.	100.00
10-90	1483.38	N.A.	82.90
20-40	745.98	N.A.	41.70
20-50	769.60	N.A.	43.00
40-70	48.23	N.A.	2.70
60-80	13.00	N.A.	0.70
70-80	3.80	N.A.	0.20
80-90	1.41	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	1788.58	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	305.20
10-20	683.96
20-30	604.91
30-40	141.07
40-50	23.62
50-60	15.40
60-70	9.20
70-80	3.80
80-90	1.41
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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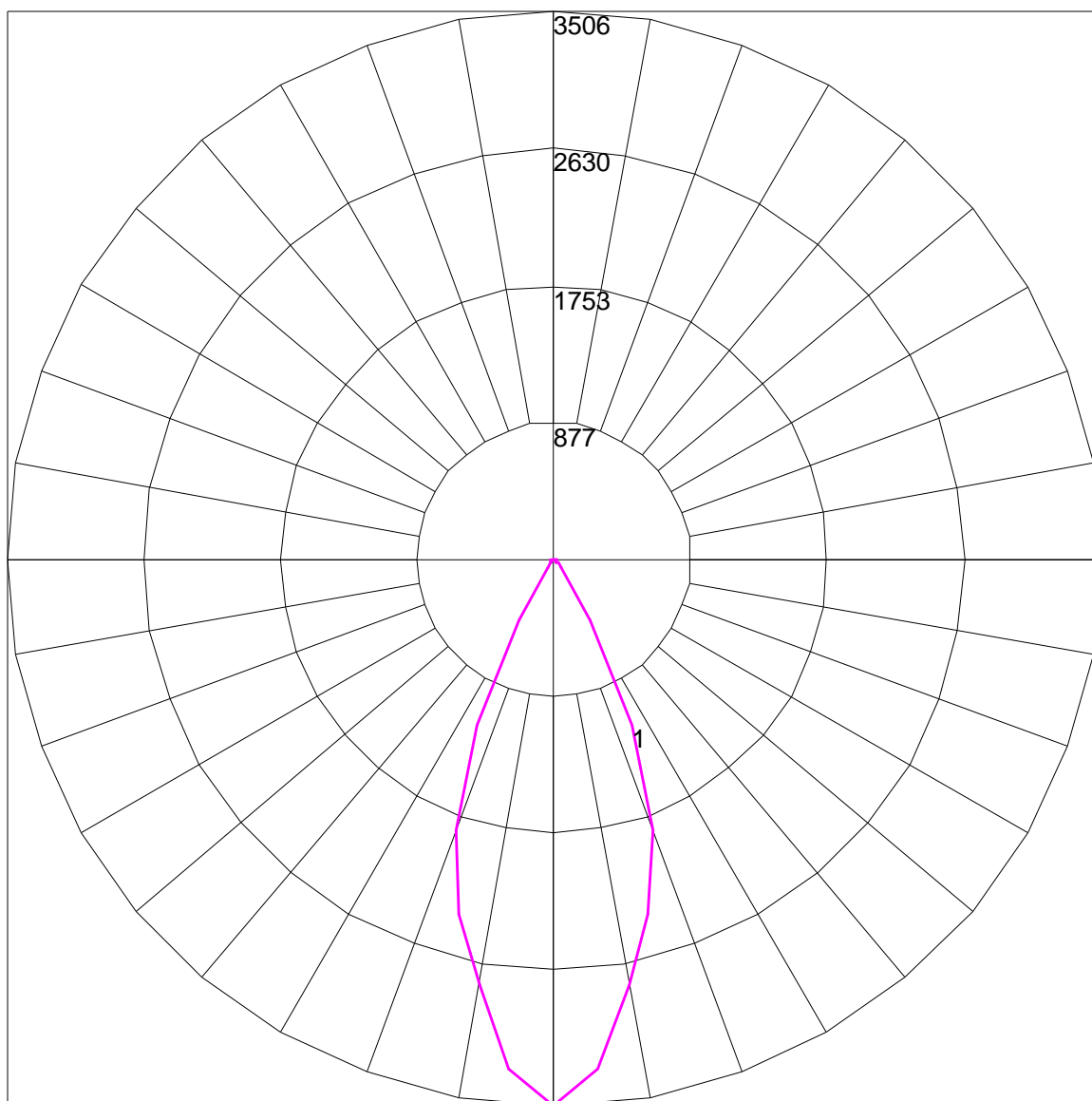
COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	109	107	112	109	107	106	105	104	102	102	101	99	98	97	97	95
2	109	105	101	98	107	103	100	97	100	98	95	97	95	93	95	93	91	90
3	105	99	95	91	103	98	94	91	95	92	89	93	90	88	91	88	86	85
4	100	94	89	85	99	93	88	85	91	87	84	89	86	83	87	84	82	81
5	96	89	84	80	95	88	84	80	87	82	79	85	81	79	83	80	78	77
6	92	85	80	76	91	84	79	76	83	78	75	81	78	75	80	77	74	73
7	89	81	76	72	88	80	75	72	79	75	71	78	74	71	77	73	71	70
8	85	77	72	68	84	77	72	68	76	71	68	75	71	68	74	70	68	66
9	82	74	69	65	81	73	68	65	72	68	65	72	68	65	71	67	65	63
10	79	71	66	62	78	70	65	62	70	65	62	69	65	62	68	64	62	61

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POLAR GRAPH



Maximum Candela = 3506.011 Located At Horizontal Angle = 0, Vertical Angle = 0
1 - Vertical Plane Through Horizontal Angles (0 - 180)