

IES INDOOR REPORT**PHOTOMETRIC FILENAME : SP-00545_40 ~ SR3DMX-XT20LE1-RDD3X-XXK-NDMWSO.IES****DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002
[TEST] SP-00545_40
[TESTLAB] VLS-245-981
[MANUFAC] Spectrum Lighting
[ISSUEDATE] 2/15/2017
[UPDATE] 4/26/2017
[LUMCAT] SR3DMx-XT20L-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

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	1796
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	76
Total Luminaire Watts	23.7
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	10470	10265	9994
55	7710	8055	7392
65	5482	6618	6914
75	3715	2520	2756
85	4343	3785	3449

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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	5717.575	5717.575	5717.575	5717.575	5717.575
5	5229.404	5216.855	5210.669	5196.331	5178.917
10	3608.866	3643.617	3677.523	3668.500	3627.749
15	2169.428	2214.343	2248.450	2273.886	2257.451
20	1428.568	1449.752	1474.753	1496.990	1497.690
25	961.938	976.389	989.695	999.473	1002.873
30	538.669	552.931	563.232	573.469	574.264
35	175.738	187.006	197.213	199.576	197.544
40	62.803	68.044	66.849	67.677	69.931
45	46.103	46.316	45.199	46.654	44.006
50	35.364	35.390	36.093	35.794	34.410
55	27.540	29.237	28.769	27.675	26.402
60	17.694	22.296	20.246	21.220	22.710
65	14.428	15.896	17.418	14.871	18.195
70	9.518	9.568	11.128	8.535	9.515
75	5.987	3.744	4.061	4.734	4.442
80	3.230	3.917	3.173	2.280	2.552
85	2.357	2.115	2.054	1.566	1.872
90	0.000	0.000	0.000	0.000	0.000

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Zone	Lumens	%Lamp	%Fixt
0-20	1102.52	N.A.	61.40
0-30	1556.3	N.A.	86.60
0-40	1710.71	N.A.	95.20
0-60	1773.29	N.A.	98.70
0-80	1794.55	N.A.	99.90
0-90	1796.45	N.A.	100.00
10-90	1348.94	N.A.	75.10
20-40	608.18	N.A.	33.90
20-50	645.55	N.A.	35.90
40-70	78.14	N.A.	4.30
60-80	21.26	N.A.	1.20
70-80	5.70	N.A.	0.30
80-90	1.90	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	1796.45	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	447.51
10-20	655.01
20-30	453.78
30-40	154.40
40-50	37.37
50-60	25.21
60-70	15.56
70-80	5.70
80-90	1.90
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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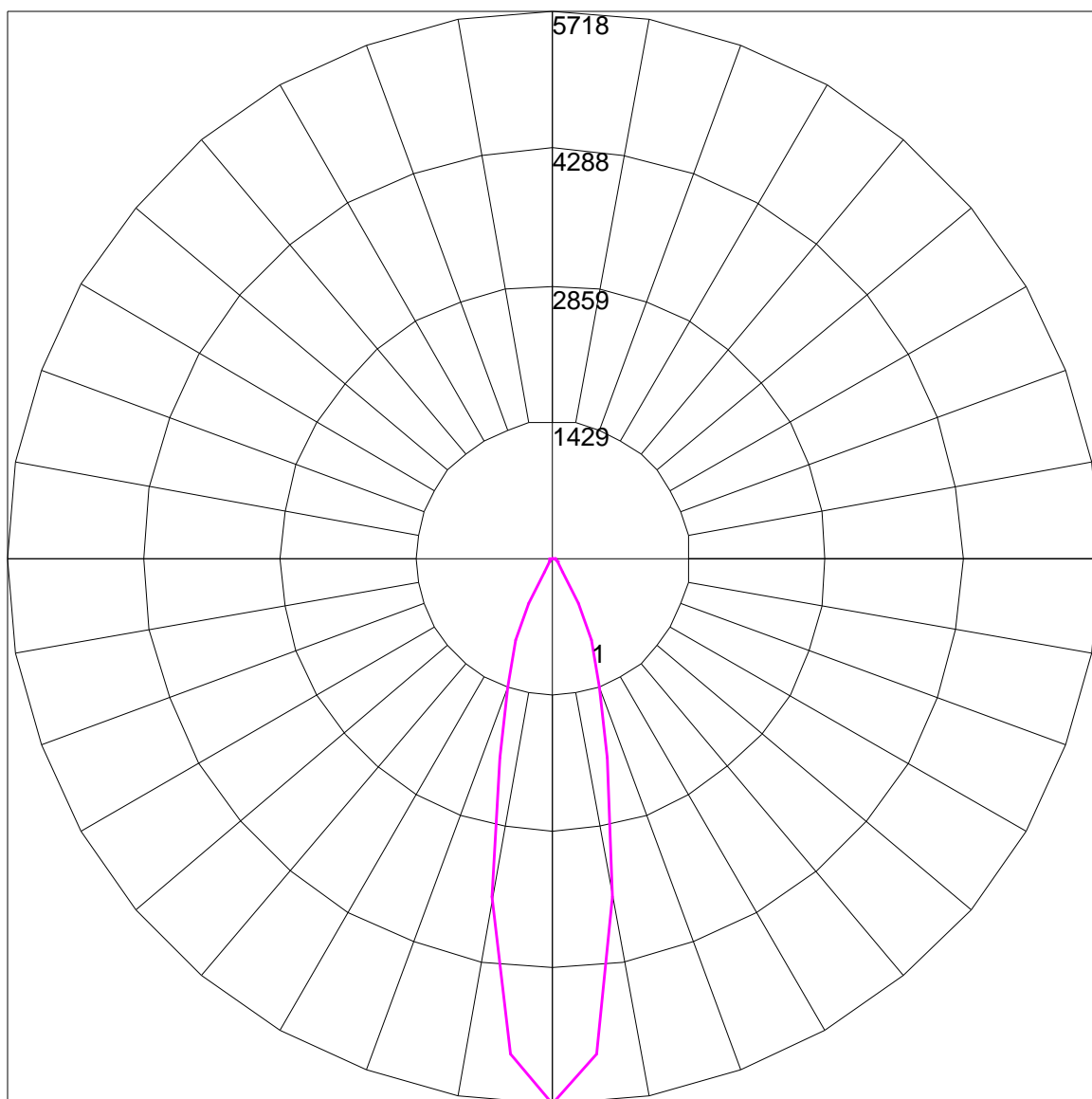
COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	108	104	101	98	101	98	96	98	96	94	95	93	92	90
3	105	100	96	92	103	98	95	91	96	93	90	94	91	89	91	89	87	86
4	101	95	90	87	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	82	78	76	75
7	90	83	78	74	89	82	77	74	81	77	74	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 = 5717.575 Located At Horizontal Angle = 0, Vertical Angle = 0
1 - Vertical Plane Through Horizontal Angles (0 - 180)