

IES INDOOR REPORT**PHOTOMETRIC FILENAME : SP-00545_45 ~ SR3DMX-XT20LE1-RDD3X-XXK-WDMWNL.IES****DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002
[TEST] SP-00545_45
[TESTLAB] VLS-245-981
[MANUFAC] Spectrum Lighting
[ISSUEDATE] 2/15/2017
[UPDATE] 4/26/2017
[LUMCAT] SR3DMx-XT20L-E1-RDD3x-xxK-WD-MW-NL
[LUMINAIRE] Nom. 3" Round Downlight, Deep profile, Wide Beam
[OTHER] Matte White Trim, No Lens
[OTHER] 55.2 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	1938
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	82
Total Luminaire Watts	23.7
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	0.84
Spacing Criterion (90-270)	0.84
Spacing Criterion (Diagonal)	0.88
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	6260	7873	6260
55	5106	6681	5106
65	5371	6385	5371
75	3870	5102	3870
85	2697	5568	2697

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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	2493.357	2493.357	2493.357	2493.357	2493.357
5	2424.452	2445.626	2464.339	2445.626	2424.452
10	2296.216	2325.737	2347.550	2325.737	2296.216
15	2083.431	2135.132	2171.631	2135.132	2083.431
20	1788.717	1863.312	1919.180	1863.312	1788.717
25	1390.480	1500.674	1580.714	1500.674	1390.480
30	888.218	1040.954	1154.891	1040.954	888.218
35	414.994	533.421	647.811	533.421	414.994
40	99.139	190.948	261.915	190.948	99.139
45	27.566	29.613	34.668	29.613	27.566
50	23.130	24.887	26.346	24.887	23.130
55	18.236	22.698	23.863	22.698	18.236
60	14.555	16.119	17.399	16.119	14.555
65	14.135	14.194	16.803	14.194	14.135
70	11.866	11.813	13.992	11.813	11.866
75	6.238	7.080	8.223	7.080	6.238
80	3.081	3.786	4.207	3.786	3.081
85	1.464	1.794	3.022	1.794	1.464
90	0.000	0.000	0.000	0.000	0.000

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Zone	Lumens	%Lamp	%Fixt
0-20	822.74	N.A.	42.40
0-30	1493.74	N.A.	77.10
0-40	1843.82	N.A.	95.10
0-60	1913.9	N.A.	98.70
0-80	1936.3	N.A.	99.90
0-90	1938.41	N.A.	100.00
10-90	1708.78	N.A.	88.20
20-40	1021.08	N.A.	52.70
20-50	1072.24	N.A.	55.30
40-70	84.47	N.A.	4.40
60-80	22.41	N.A.	1.20
70-80	8.01	N.A.	0.40
80-90	2.11	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	1938.41	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	229.63
10-20	593.10
20-30	671.00
30-40	350.08
40-50	51.16
50-60	18.92
60-70	14.39
70-80	8.01
80-90	2.11
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

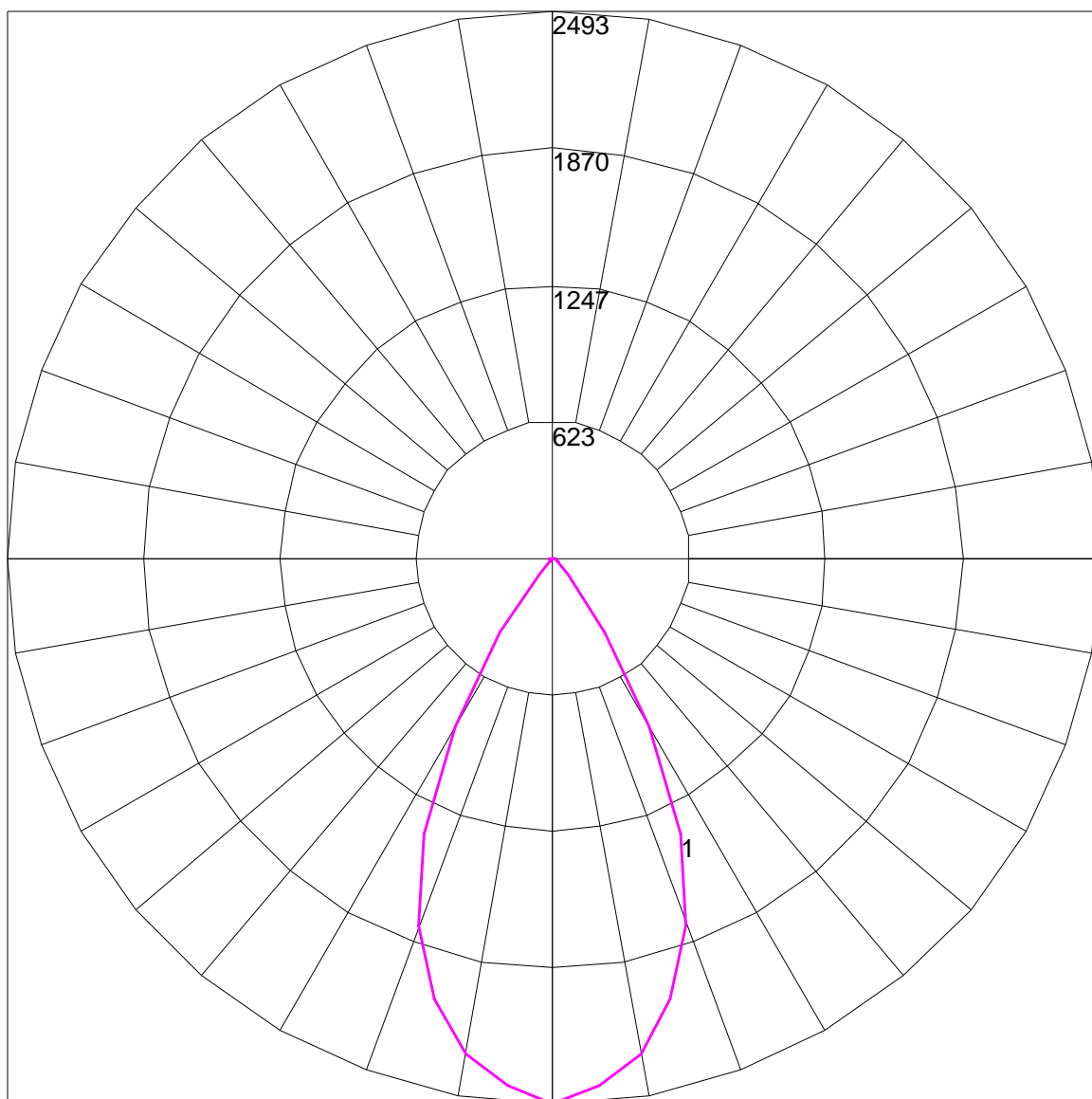
Effective Floor Cavity Reflectance 0.20

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	111	108	106	111	109	107	105	105	103	101	101	100	98	98	97	96	94
2	108	103	100	96	106	102	98	95	99	96	93	96	93	91	93	91	89	88
3	103	97	92	88	101	95	91	87	93	89	86	90	87	85	88	86	83	82
4	98	91	85	81	96	90	85	81	88	83	80	86	82	79	84	81	78	77
5	93	85	80	76	92	84	79	75	83	78	75	81	77	74	80	76	73	72
6	89	80	75	71	88	80	74	70	78	73	70	77	73	69	76	72	69	68
7	85	76	70	66	84	75	70	66	74	69	66	73	69	65	72	68	65	64
8	81	72	66	62	80	71	66	62	70	65	62	69	65	62	68	64	61	60
9	77	68	62	59	76	68	62	58	67	62	58	66	61	58	65	61	58	57
10	74	65	59	55	73	64	59	55	63	58	55	63	58	55	62	58	55	54

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POLAR GRAPH



Maximum Candela = 2493.357 Located At Horizontal Angle = 0, Vertical Angle = 0
1 - Vertical Plane Through Horizontal Angles (0 - 180)