

IES INDOOR REPORT**PHOTOMETRIC FILENAME : SP-00545_43 ~ SR3DMX-XT20LE1-RDD3X-XXK-MDMWSO.IES****DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002
[TEST] SP-00545_43
[TESTLAB] VLS-245-981
[MANUFAC] Spectrum Lighting
[ISSUEDATE] 2/15/2017
[UPDATE] 4/26/2017
[LUMCAT] SR3DMx-XT20L-E1-RDD3x-xxK-MD-MW-SO
[LUMINAIRE] Nom. 3" Round Downlight, Deep profile, Medium Beam
[OTHER] Matte White Trim, Solite Lens
[OTHER] 45.6 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	1856
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	78
Total Luminaire Watts	23.7
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	0.68
Spacing Criterion (90-270)	0.68
Spacing Criterion (Diagonal)	0.76
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	10407	13532	10407
55	7866	9141	7866
65	5330	7031	5330
75	2525	3483	2525
85	3516	3423	3516

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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	3248.638	3248.638	3248.638	3248.638	3248.638
5	3068.305	3135.720	3201.417	3135.720	3068.305
10	2695.109	2817.121	2922.197	2817.121	2695.109
15	2260.095	2399.808	2513.560	2399.808	2260.095
20	1761.623	1929.108	2054.774	1929.108	1761.623
25	1176.632	1360.979	1517.194	1360.979	1176.632
30	555.618	723.186	876.615	723.186	555.618
35	170.889	254.103	333.136	254.103	170.889
40	70.450	88.623	112.103	88.623	70.450
45	45.823	52.228	59.585	52.228	45.823
50	35.147	37.807	43.303	37.807	35.147
55	28.094	30.589	32.648	30.589	28.094
60	20.760	24.391	26.229	24.391	20.760
65	14.028	15.244	18.503	15.244	14.028
70	7.098	9.110	11.336	9.110	7.098
75	4.069	5.197	5.614	5.197	4.069
80	2.958	3.679	2.431	3.679	2.958
85	1.908	1.933	1.858	1.933	1.908
90	0.000	0.000	0.000	0.000	0.000

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Zone	Lumens	%Lamp	%Fixt
0-20	953.30	N.A.	51.40
0-30	1558.95	N.A.	84.00
0-40	1759.42	N.A.	94.80
0-60	1831.75	N.A.	98.70
0-80	1853.61	N.A.	99.90
0-90	1855.52	N.A.	100.00
10-90	1566.42	N.A.	84.40
20-40	806.12	N.A.	43.40
20-50	850.87	N.A.	45.90
40-70	88.30	N.A.	4.80
60-80	21.86	N.A.	1.20
70-80	5.90	N.A.	0.30
80-90	1.91	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	1855.52	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	289.10
10-20	664.20
20-30	605.65
30-40	200.47
40-50	44.75
50-60	27.58
60-70	15.96
70-80	5.90
80-90	1.91
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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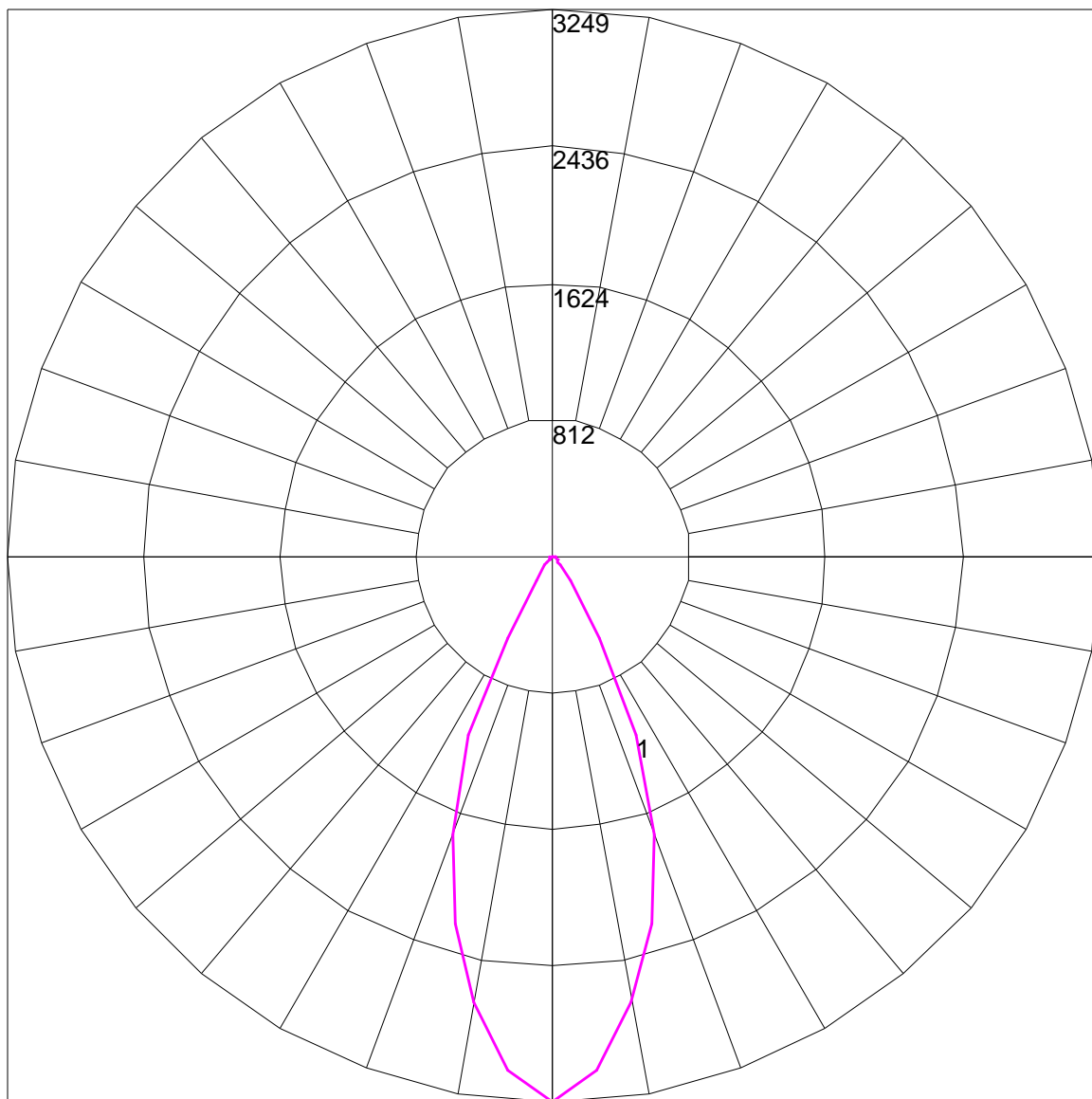
COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	109	107	111	109	107	105	105	103	102	101	100	99	98	97	96	94
2	109	104	101	97	107	103	99	96	99	97	94	96	94	92	94	92	90	89
3	104	98	94	90	102	97	93	89	94	91	88	92	89	86	90	87	85	84
4	99	93	87	84	98	91	87	83	89	85	82	87	84	81	86	83	80	79
5	95	87	82	78	94	87	82	78	85	81	77	83	80	77	82	79	76	75
6	91	83	78	74	90	82	77	73	81	76	73	79	75	72	78	75	72	71
7	87	79	73	70	86	78	73	69	77	72	69	76	72	69	75	71	68	67
8	84	75	70	66	82	74	69	66	73	69	66	72	68	65	72	68	65	64
9	80	72	66	63	79	71	66	63	70	66	62	69	65	62	69	65	62	61
10	77	68	63	60	76	68	63	60	67	63	59	66	62	59	66	62	59	58

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POLAR GRAPH



Maximum Candela = 3248.638 Located At Horizontal Angle = 0, Vertical Angle = 0
1 - Vertical Plane Through Horizontal Angles (0 - 180)