

IES INDOOR REPORT
PHOTOMETRIC FILENAME : SP-00545_45 ~ SR3DMX-XT10LE1-RDD3X-XXK-WDMWNL.IES
DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST] SP-00545_45_M-10L
 [TESTLAB] VLS-245-981
 [MANUFAC] Spectrum Lighting
 [ISSUEDATE] 2/15/2017
 [UPDATE] 4/26/2017
 [LUMCAT] SR3DMx-XT10L-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, scaled from 20L

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	935
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	84
Total Luminaire Watts	11.1
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	3021	3799	3021
55	2463	3224	2463
65	2591	3080	2591
75	1868	2462	1868
85	1301	2686	1301

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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	1203.045	1203.045	1203.045	1203.045	1203.045
5	1169.798	1180.015	1189.044	1180.015	1169.798
10	1107.924	1122.168	1132.693	1122.168	1107.924
15	1005.255	1030.201	1047.812	1030.201	1005.255
20	863.056	899.048	926.004	899.048	863.056
25	670.907	724.075	762.694	724.075	670.907
30	428.565	502.260	557.235	502.260	428.565
35	200.235	257.376	312.569	257.376	200.235
40	47.835	92.132	126.374	92.132	47.835
45	13.301	14.288	16.727	14.288	13.301
50	11.160	12.008	12.712	12.008	11.160
55	8.799	10.952	11.514	10.952	8.799
60	7.023	7.777	8.395	7.777	7.023
65	6.820	6.849	8.107	6.849	6.820
70	5.725	5.700	6.751	5.700	5.725
75	3.010	3.416	3.968	3.416	3.010
80	1.487	1.827	2.030	1.827	1.487
85	0.706	0.866	1.458	0.866	0.706
90	0.000	0.000	0.000	0.000	0.000

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Zone	Lumens	%Lamp	%Fixt
0-20	396.97	N.A.	42.40
0-30	720.73	N.A.	77.10
0-40	889.64	N.A.	95.10
0-60	923.46	N.A.	98.70
0-80	934.27	N.A.	99.90
0-90	935.29	N.A.	100.00
10-90	824.49	N.A.	88.20
20-40	492.67	N.A.	52.70
20-50	517.36	N.A.	55.30
40-70	40.76	N.A.	4.40
60-80	10.81	N.A.	1.20
70-80	3.87	N.A.	0.40
80-90	1.02	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	935.29	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	110.80
10-20	286.17
20-30	323.76
30-40	168.91
40-50	24.69
50-60	9.13
60-70	6.95
70-80	3.87
80-90	1.02
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

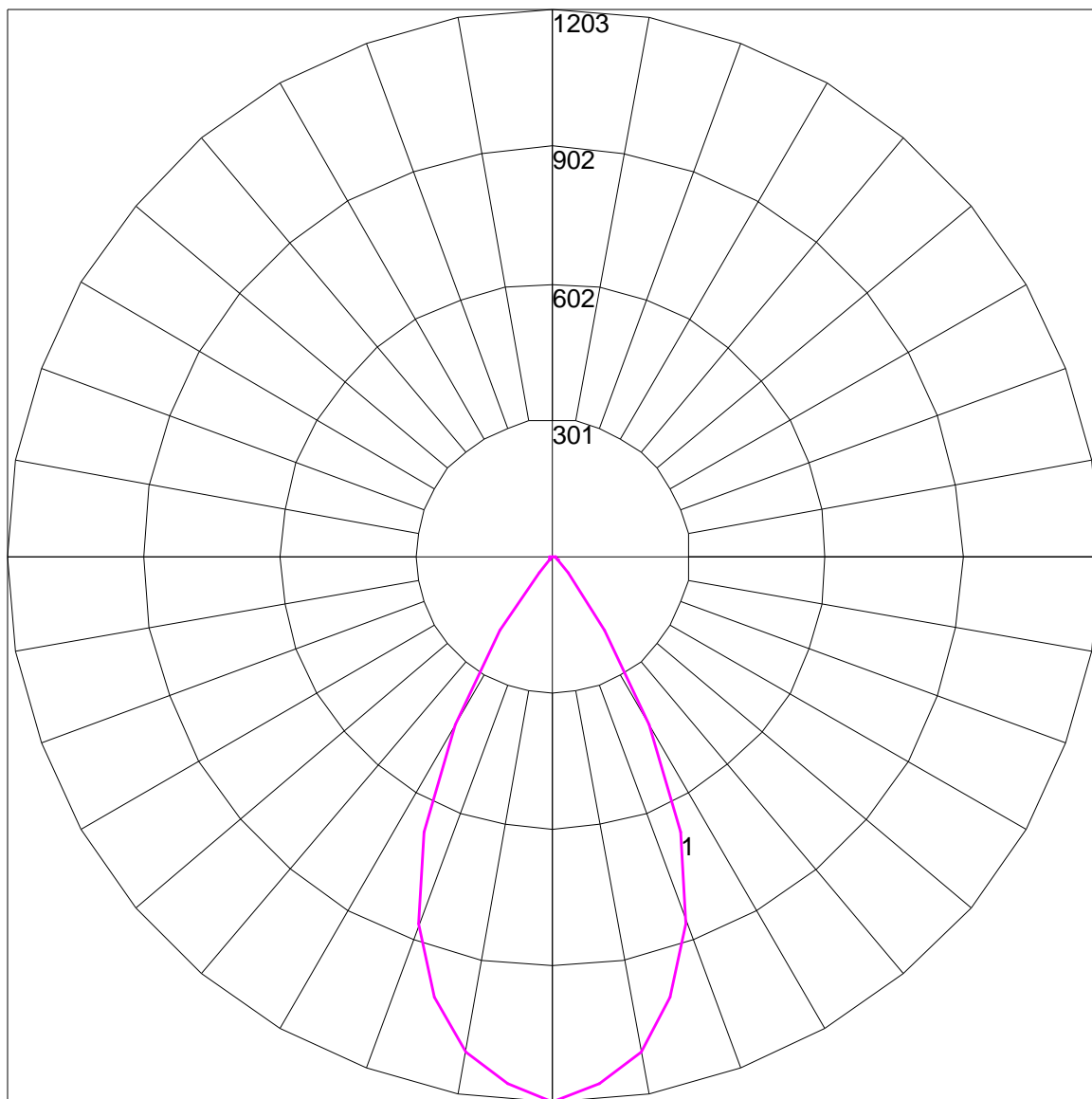
Effective Floor Cavity Reflectance 0.20

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	59	55	63	58	55	62	58	55	54

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POLAR GRAPH



Maximum Candela = 1203.045 Located At Horizontal Angle = 0, Vertical Angle = 0
1 - Vertical Plane Through Horizontal Angles (0 - 180)