

**IES INDOOR REPORT**
**PHOTOMETRIC FILENAME : SP-00544\_7 ~ SR2MRX-XT10LE1-XD2FXXK-WDMWGL.IES**
**DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002  
 [TEST] SP-00544\_7\_M-10L  
 [TESTLAB] VLS-245-981  
 [MANUFAC] Spectrum Lighting  
 [ISSUEDATE] 2/21/2017  
 [UPDATE] 4/19/2017  
 [LUMCAT] SR2MRx-XT10L-E1-xD2F-xxK-WD-MW-GL  
 [OTHER] 2" series WD 20l 35k clear lens  
 [LUMINAIRE] Nom. 2" Round or Square Trim Downlight, wide Beam  
 [OTHER] Matte White Trim, clear glass lens  
 [OTHER] 50.5 Degree Beam Angle  
 [LAMP] N/A  
 [LAMPCAT] N/A, Min. 83 CRI  
 [OTHER] Total Luminaire Watts is approximate  
 [OTHER] For New Construction Non-IC Housing: SR2MO-XT-series  
 [OTHER] For New Construction IC Rated Housing: SR2MI-XT-Series  
 [OTHER] For Remodel/Retrofit Housing: SR2MR-XT-Series  
 [OTHER] For RD2F or SD2F 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	825
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	74
Total Luminaire Watts	11.1
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	0.78
Spacing Criterion (90-270)	0.78
Spacing Criterion (Diagonal)	0.82
Basic Luminous Shape	Circular
Luminous Length (0-180)	0.00 ft
Luminous Width (90-270)	0.24 ft (Diameter)
Luminous Height	0.00 ft

**IES INDOOR REPORT****PHOTOMETRIC FILENAME : SP-00544\_7 ~ SR2MRX-XT10LE1-XD2FXXK-WDMWGL.IES****LUMINANCE DATA (cd/sq.m)**

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	21993	22147	24193
55	3886	3362	3358
65	1424	1514	1175
75	993	1373	1119
85	356	0	1963

**IES INDOOR REPORT****PHOTOMETRIC FILENAME : SP-00544\_7 ~ SR2MRX-XT10LE1-XD2FXXK-WDMWGL.IES****CANDELA TABULATION**

	<u>0.0</u>	<u>22.5</u>	<u>45.0</u>	<u>67.5</u>	<u>90.0</u>
<b>0</b>	1092.530	1092.530	1092.530	1092.530	1092.530
<b>5</b>	1070.291	1069.066	1068.120	1067.488	1068.424
<b>10</b>	995.943	993.776	991.595	994.958	992.194
<b>15</b>	866.030	864.519	866.155	869.311	869.079
<b>20</b>	701.048	703.876	703.765	705.825	707.958
<b>25</b>	553.341	553.374	553.857	552.868	552.207
<b>30</b>	408.079	407.519	407.664	411.186	408.986
<b>35</b>	263.382	262.205	263.575	264.376	266.002
<b>40</b>	140.026	140.113	139.664	143.515	144.528
<b>45</b>	62.725	62.238	63.164	65.446	68.997
<b>50</b>	14.538	12.366	12.222	11.561	11.720
<b>55</b>	8.989	7.247	7.778	7.816	7.768
<b>60</b>	4.646	4.540	4.299	3.846	3.464
<b>65</b>	2.427	2.543	2.581	2.229	2.002
<b>70</b>	1.891	1.785	1.573	1.679	1.949
<b>75</b>	1.037	1.288	1.433	0.922	1.168
<b>80</b>	0.719	0.772	0.545	0.700	0.642
<b>85</b>	0.125	0.000	0.000	0.000	0.690
<b>90</b>	0.000	0.000	0.000	0.000	0.000

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Zone	Lumens	%Lamp	%Fixt
0-20	339.47	N.A.	41.20
0-30	593.11	N.A.	71.90
0-40	759.72	N.A.	92.10
0-60	820.39	N.A.	99.50
0-80	824.30	N.A.	100.00
0-90	824.54	N.A.	100.00
10-90	724.94	N.A.	87.90
20-40	420.26	N.A.	51.00
20-50	473.78	N.A.	57.50
40-70	63.31	N.A.	7.70
60-80	3.91	N.A.	0.50
70-80	1.26	N.A.	0.20
80-90	0.24	N.A.	0.00
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	824.54	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	99.60
10-20	239.87
20-30	253.65
30-40	166.61
40-50	53.52
50-60	7.15
60-70	2.64
70-80	1.26
80-90	0.24
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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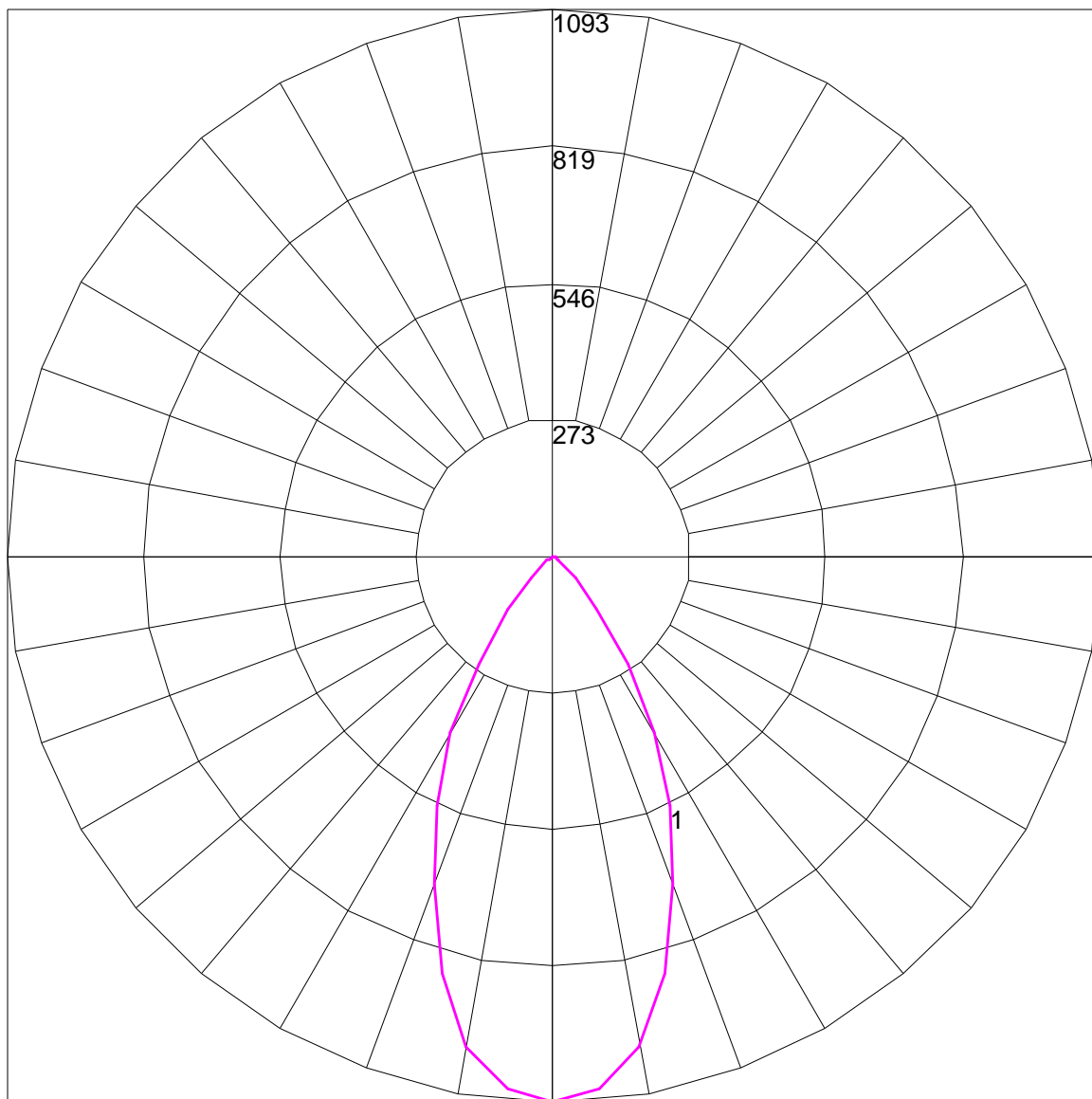
## COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	106	104	105	103	101	101	100	98	97	96	95	94
2	108	103	99	96	106	102	98	95	98	95	93	95	93	91	93	91	89	87
3	103	96	91	88	101	95	91	87	92	89	85	90	87	84	88	85	83	81
4	98	90	85	81	96	89	84	80	87	83	79	85	81	78	83	80	77	76
5	93	85	79	75	91	84	78	74	82	77	74	80	76	73	79	75	72	71
6	88	80	74	69	87	79	73	69	77	72	69	76	72	68	75	71	68	66
7	84	75	69	65	83	74	69	65	73	68	64	72	67	64	71	67	64	62
8	80	71	65	61	79	70	65	61	69	64	60	68	63	60	67	63	60	59
9	76	67	61	57	75	66	61	57	65	60	57	65	60	57	64	60	56	55
10	73	63	58	54	72	63	57	54	62	57	54	61	57	54	61	56	53	52

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POLAR GRAPH



Maximum Candela = 1092.53 Located At Horizontal Angle = 0, Vertical Angle = 0  
# 1 - Vertical Plane Through Horizontal Angles (0 - 180)