

IES INDOOR REPORT
PHOTOMETRIC FILENAME : SP-00544_5 ~ SR2MRX-XT20LE1-XD2FXXK-MDMWGL.IES
DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST] SP-00544_5
 [TESTLAB] VLS-245-981
 [MANUFAC] Spectrum Lighting
 [ISSUEDATE] 2/21/2017
 [UPDATE] 4/19/2017
 [LUMCAT] SR2MRx-XT20L-E1-xD2F-xxK-MD-MW-GL
 [LUMINAIRE] Nom. 2" Round or Square Trim Downlight, Medium Beam
 [OTHER] Matte White Trim, clear glass lens
 [OTHER] 35.7 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 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

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	1729
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	73
Total Luminaire Watts	23.7
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	0.60
Spacing Criterion (90-270)	0.60
Spacing Criterion (Diagonal)	0.60
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_5 ~ SR2MRX-XT20LE1-XD2FXXK-MDMWGL.IES****LUMINANCE DATA (cd/sq.m)**

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	30321	28721	32198
55	11461	10832	11883
65	7061	6404	7631
75	3363	3386	3708
85	4284	3582	5698

IES INDOOR REPORT**PHOTOMETRIC FILENAME : SP-00544_5 ~ SR2MRX-XT20LE1-XD2FXXK-MDMWGL.IES****CANDELA TABULATION**

	<u>0.0</u>	<u>22.5</u>	<u>45.0</u>	<u>67.5</u>	<u>90.0</u>
0	3657.518	3657.518	3657.518	3657.518	3657.518
5	3517.544	3513.655	3508.837	3499.473	3496.361
10	3019.274	3012.576	3023.732	3007.355	3011.438
15	2257.081	2246.865	2246.553	2251.398	2270.697
20	1510.184	1497.752	1495.891	1506.898	1533.954
25	961.755	949.786	953.194	964.564	991.023
30	580.844	577.768	581.596	588.942	609.906
35	324.246	324.228	323.236	330.272	345.682
40	167.845	164.025	161.476	169.240	181.590
45	86.476	83.606	81.912	85.430	91.827
50	48.659	44.185	43.149	44.778	48.914
55	26.515	26.120	25.060	26.319	27.491
60	16.576	18.197	19.168	18.018	19.373
65	12.036	12.448	10.916	12.280	13.008
70	7.525	7.013	7.006	7.670	8.254
75	3.511	3.372	3.535	3.270	3.871
80	2.027	1.403	1.341	1.571	1.411
85	1.506	1.372	1.259	1.305	2.003
90	0.000	0.000	0.000	0.000	0.000

IES INDOOR REPORT**PHOTOMETRIC FILENAME : SP-00544_5 ~ SR2MRX-XT20LE1-XD2FXXK-MDMWGL.IES****ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	941.09	N.A.	54.40
0-30	1395.56	N.A.	80.70
0-40	1612.84	N.A.	93.30
0-60	1711.69	N.A.	99.00
0-80	1728.16	N.A.	99.90
0-90	1729.35	N.A.	100.00
10-90	1410.39	N.A.	81.60
20-40	671.75	N.A.	38.80
20-50	744.80	N.A.	43.10
40-70	111.15	N.A.	6.40
60-80	16.48	N.A.	1.00
70-80	4.17	N.A.	0.20
80-90	1.19	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	1729.35	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	318.96
10-20	622.13
20-30	454.47
30-40	217.28
40-50	73.05
50-60	25.79
60-70	12.31
70-80	4.17
80-90	1.19
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

IES INDOOR REPORT

PHOTOMETRIC FILENAME : SP-00544_5 ~ SR2MRX-XT20LE1-XD2FXXK-MDMWGL.IES

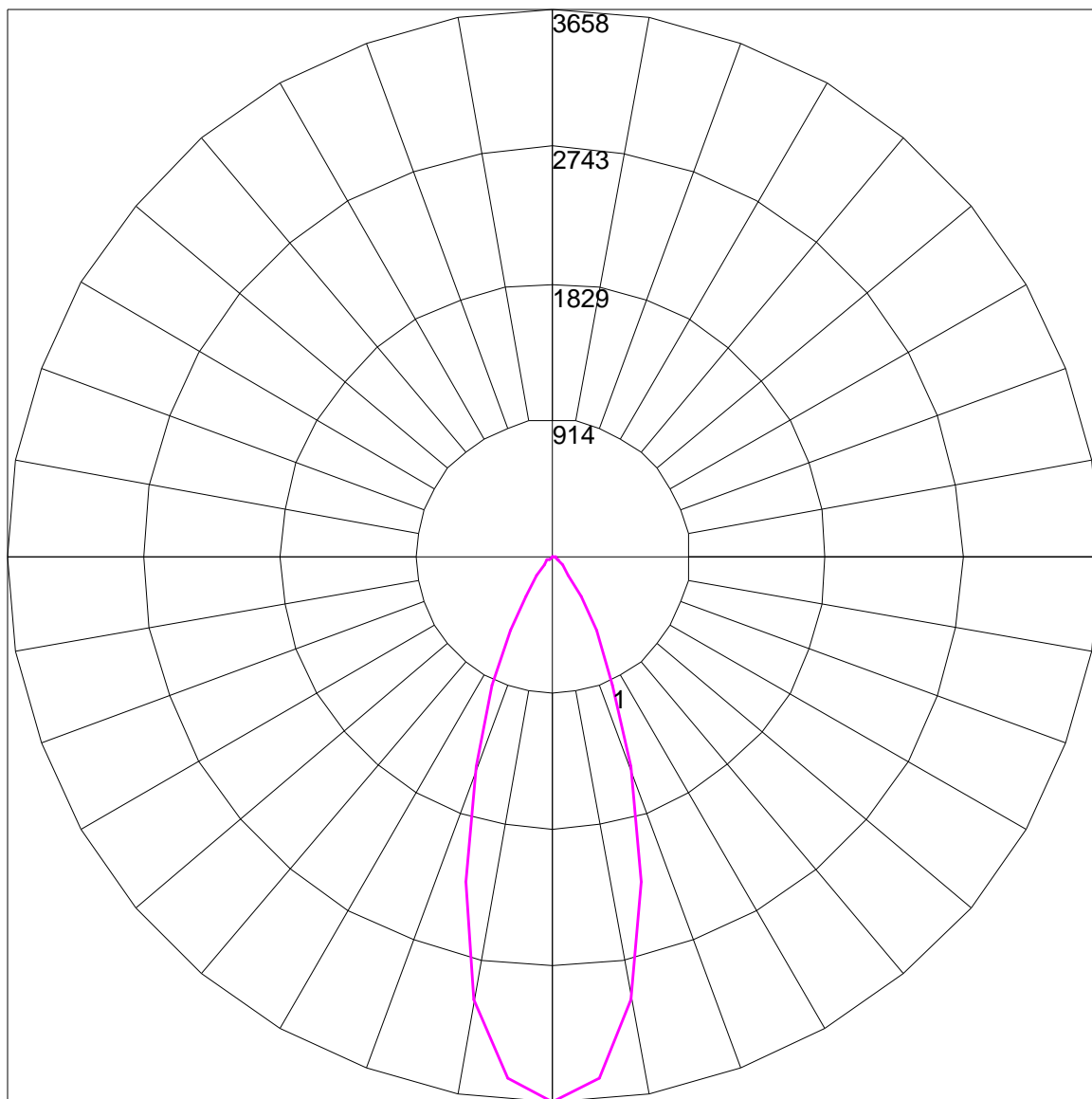
COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	112	109	107	105	105	104	102	102	100	99	98	97	96	94
2	109	104	101	98	107	103	99	97	100	97	94	97	94	92	94	92	91	89
3	104	98	94	90	102	97	93	89	94	91	88	92	89	87	90	87	85	84
4	100	93	88	84	98	92	87	83	90	86	82	88	84	82	86	83	81	79
5	95	88	83	79	94	87	82	78	85	81	78	84	80	77	82	79	76	75
6	91	83	78	74	90	83	78	74	81	77	73	80	76	73	79	75	72	71
7	88	79	74	70	86	79	74	70	77	73	70	76	72	69	75	72	69	68
8	84	76	70	67	83	75	70	66	74	69	66	73	69	66	72	68	66	64
9	81	72	67	63	80	72	67	63	71	66	63	70	66	63	69	65	63	61
10	78	69	64	60	77	69	64	60	68	63	60	67	63	60	66	63	60	59

IES INDOOR REPORT
PHOTOMETRIC FILENAME : SP-00544_5 ~ SR2MRX-XT20LE1-XD2FXXK-MDMWGL.IES

POLAR GRAPH



Maximum Candela = 3657.518 Located At Horizontal Angle = 0, Vertical Angle = 0
1 - Vertical Plane Through Horizontal Angles (0 - 180)