

IES INDOOR REPORT
PHOTOMETRIC FILENAME : SP_00548_14 ~ SR4MX-XT10LE1-RDD4X-XXK-XWMWSO.IES
DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST] SP-00548.14_M-10L
 [TESTLAB] VLS-245-981
 [MANUFAC] Spectrum Lighting
 [ISSUEDATE] 3/13/2017
 [UPDATE] 4/18/2017
 [LUMCAT] SR4MRx-XT10L-E1-RDD4x-xxK-XW-MW-SO
 [LUMINAIRE] Nom. 4" Round Downlight, Deep profile, Xtra Wide Beam
 [OTHER] Matte White Trim, Solite lens
 [OTHER] 59.1 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: SR4MO-XT-series
 [OTHER] For New Construction IC Rated Housing: SR4MI-XT-series
 [OTHER] For Remodel/Retrofit Housing: SR4MR-XT-Series
 [OTHER] For RDD4F or RDD4N Downlight Trim
 [OTHER] LEDXT lumen output is the same for all available CCT's
 [OTHER] This report prepared by Spectrum Lighting, scaled from 40L

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	684
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	62
Total Luminaire Watts	11.1
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	0.92
Spacing Criterion (90-270)	0.94
Spacing Criterion (Diagonal)	0.88
Basic Luminous Shape	Circular
Luminous Length (0-180)	0.36 ft (Diameter)
Luminous Width (90-270)	0.36 ft (Diameter)
Luminous Height	0.00 ft

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Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	4736	5418	5278
55	1888	2015	1971
65	1253	1141	1205
75	622	654	600
85	621	495	631

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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	778.800	778.800	778.800	778.800	778.800
5	761.251	762.106	764.339	767.095	766.765
10	725.146	730.923	733.691	737.821	738.257
15	676.400	685.054	688.382	694.022	692.987
20	607.075	619.041	621.622	628.772	623.616
25	505.585	520.748	520.283	529.340	521.587
30	361.141	378.202	376.572	384.222	373.587
35	192.303	206.162	205.125	213.063	204.192
40	76.332	84.536	86.154	93.277	87.763
45	32.225	36.046	36.866	38.876	35.918
50	16.338	17.882	18.258	18.883	17.705
55	10.420	11.049	11.125	11.629	10.882
60	6.893	7.430	7.549	7.816	7.111
65	5.097	5.301	4.642	5.507	4.901
70	3.047	3.286	3.504	3.313	3.058
75	1.550	1.576	1.630	1.707	1.495
80	0.789	0.949	0.684	0.766	0.953
85	0.521	0.638	0.415	0.505	0.529
90	0.365	0.289	0.317	0.211	0.396

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Zone	Lumens	%Lamp	%Fixt
0-20	264.26	N.A.	38.60
0-30	497.64	N.A.	72.70
0-40	632.13	N.A.	92.40
0-60	676.53	N.A.	98.90
0-80	683.64	N.A.	99.90
0-90	684.22	N.A.	100.00
10-90	612.19	N.A.	89.50
20-40	367.87	N.A.	53.80
20-50	401.64	N.A.	58.70
40-70	49.58	N.A.	7.20
60-80	7.11	N.A.	1.00
70-80	1.93	N.A.	0.30
80-90	0.59	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	684.22	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	72.03
10-20	192.23
20-30	233.38
30-40	134.48
40-50	33.78
50-60	10.62
60-70	5.18
70-80	1.93
80-90	0.59
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

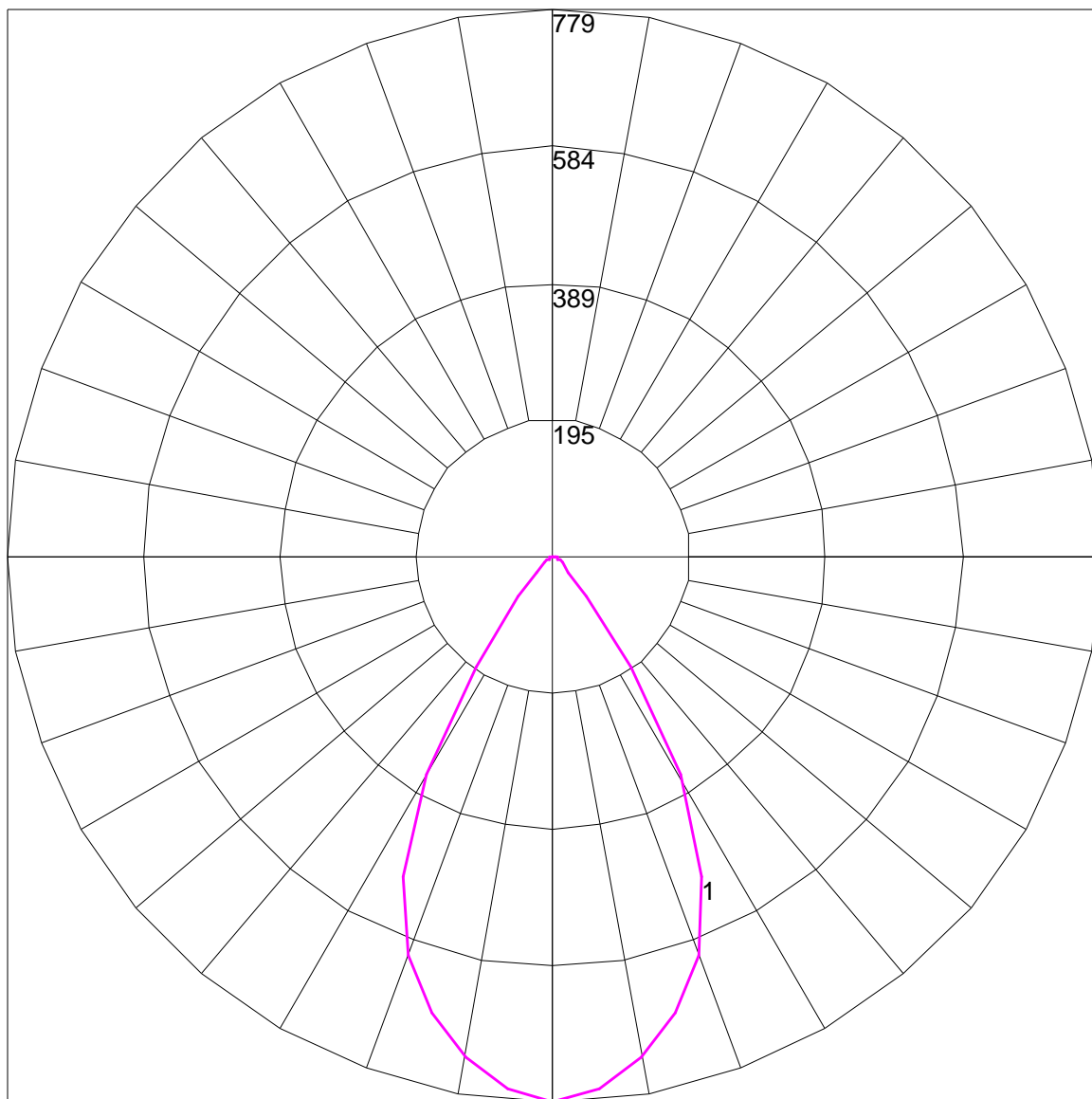
Effective Floor Cavity Reflectance 0.20

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	113	111	108	106	111	109	106	104	104	103	101	101	99	98	97	96	95	93
2	108	103	99	96	106	101	98	94	98	95	92	95	93	90	92	90	88	87
3	102	96	91	87	100	95	90	86	92	88	85	90	86	84	87	85	82	81
4	97	90	84	80	95	89	83	79	86	82	79	84	81	78	83	79	77	75
5	92	84	78	74	91	83	78	74	81	77	73	80	75	72	78	74	72	70
6	88	79	73	69	86	78	72	68	77	72	68	75	71	67	74	70	67	66
7	83	74	68	64	82	74	68	64	72	67	63	71	67	63	70	66	63	61
8	79	70	64	60	78	69	64	60	68	63	60	67	63	59	66	62	59	58
9	76	66	60	56	75	66	60	56	65	60	56	64	59	56	63	59	56	54
10	72	63	57	53	71	62	57	53	61	56	53	61	56	53	60	55	52	51

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POLAR GRAPH



Maximum Candela = 778.8 Located At Horizontal Angle = 0, Vertical Angle = 0
1 - Vertical Plane Through Horizontal Angles (0 - 180)