

IES INDOOR REPORT
PHOTOMETRIC FILENAME : SP-00545_46 ~ SR3DMX-XT10LE1-RDD3X-XXK-WDMWSO.IES
DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST] SP-00545_46_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-SO
 [LUMINAIRE] Nom. 3" Round Downlight, Deep profile, Wide Beam
 [OTHER] Matte White Trim, Solite Lens
 [OTHER] 54 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	890
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	80
Total Luminaire Watts	11.1
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	0.82
Spacing Criterion (90-270)	0.82
Spacing Criterion (Diagonal)	0.86
Basic Luminous Shape	Circular
Luminous Length (0-180)	0.00 ft
Luminous Width (90-270)	0.29 ft (Diameter)
Luminous Height	0.00 ft

IES INDOOR REPORT**PHOTOMETRIC FILENAME : SP-00545_46 ~ SR3DMX-XT10LE1-RDD3X-XXK-WDMWSO.IES****LUMINANCE DATA (cd/sq.m)**

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	6024	8344	6024
55	5231	5673	5231
65	5074	5314	5074
75	2061	2775	2061
85	1715	2915	1715

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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	1128.612	1128.612	1128.612	1128.612	1128.612
5	1093.031	1104.683	1114.384	1104.683	1093.031
10	1022.652	1041.596	1057.420	1041.596	1022.652
15	918.108	945.572	969.111	945.572	918.108
20	779.455	815.677	843.787	815.677	779.455
25	609.952	653.070	688.814	653.070	609.952
30	407.180	458.465	496.873	458.465	407.180
35	200.969	246.753	276.956	246.753	200.969
40	72.797	97.725	117.110	97.725	72.797
45	26.526	31.469	36.740	31.469	26.526
50	21.392	22.826	23.824	22.826	21.392
55	18.683	19.073	20.263	19.073	18.683
60	16.201	17.543	18.032	17.543	16.201
65	13.353	13.462	13.985	13.462	13.353
70	6.384	8.659	9.253	8.659	6.384
75	3.321	4.103	4.473	4.103	3.321
80	1.675	2.156	2.612	2.156	1.675
85	0.931	1.103	1.582	1.103	0.931
90	0.000	0.000	0.000	0.000	0.000

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Zone	Lumens	%Lamp	%Fixt
0-20	366.10	N.A.	41.10
0-30	659.77	N.A.	74.10
0-40	819.16	N.A.	92.00
0-60	871.40	N.A.	97.90
0-80	889.27	N.A.	99.90
0-90	890.50	N.A.	100.00
10-90	787.07	N.A.	88.40
20-40	453.06	N.A.	50.90
20-50	487.70	N.A.	54.80
40-70	65.27	N.A.	7.30
60-80	17.88	N.A.	2.00
70-80	4.84	N.A.	0.50
80-90	1.23	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	890.50	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	103.43
10-20	262.68
20-30	293.66
30-40	159.39
40-50	34.65
50-60	17.59
60-70	13.03
70-80	4.84
80-90	1.23
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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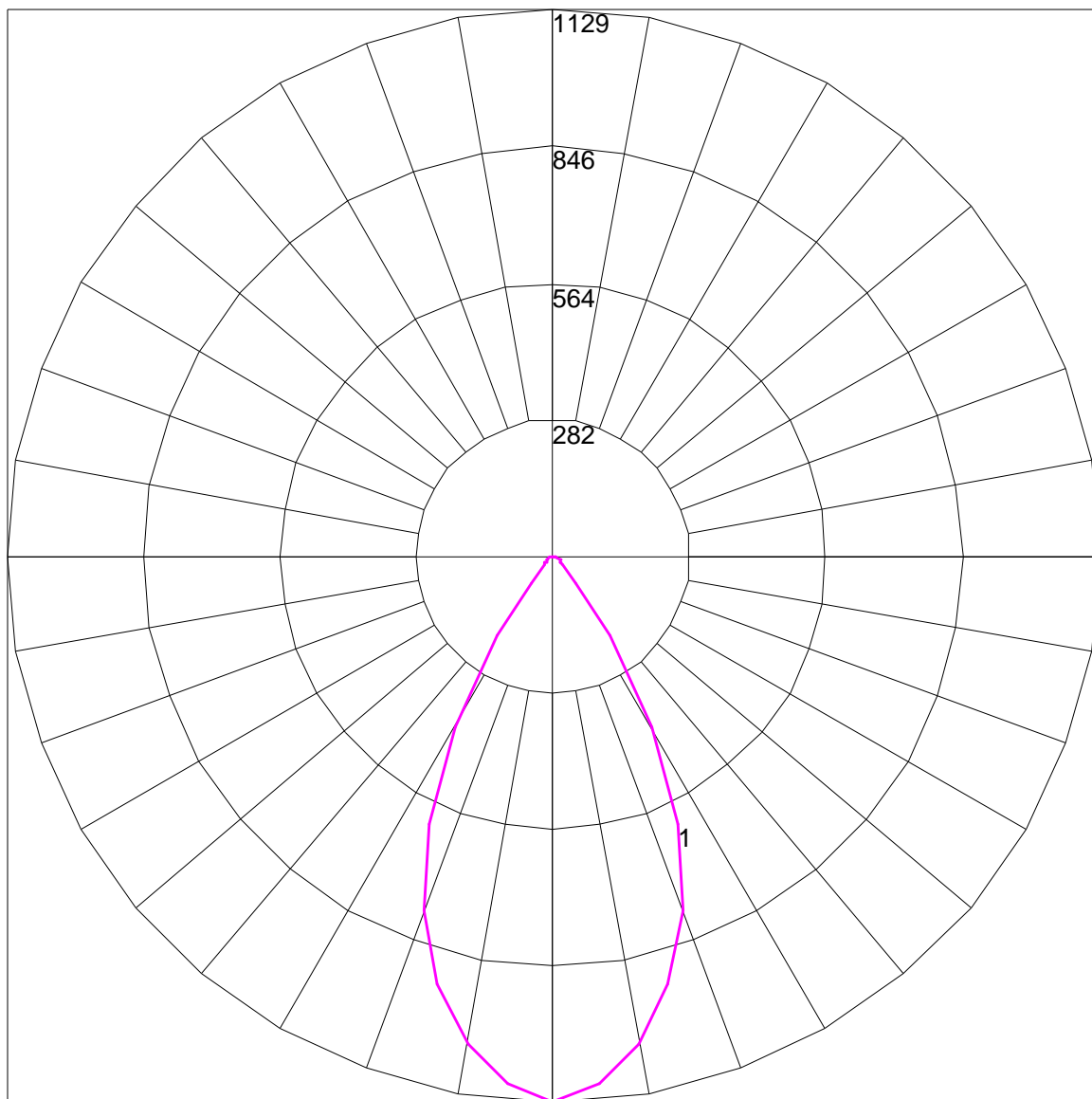
COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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

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POLAR GRAPH



Maximum Candela = 1128.612 Located At Horizontal Angle = 0, Vertical Angle = 0
1 - Vertical Plane Through Horizontal Angles (0 - 180)