

IES INDOOR REPORT
PHOTOMETRIC FILENAME : SP-00545_41 ~ SR3DMX-XT10LE1-RDD3X-XXK-NDMWGL.IES
DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST] SP-00545_41_M-10L
 [TESTLAB] VLS-245-981
 [MANUFAC] Spectrum Lighting
 [ISSUEDATE] 2/15/2017
 [UPDATE] 4/26/2017
 [LUMCAT] SR3DMx-XT10L-E1-RDD3x-xxK-ND-MW-GL
 [LUMINAIRE] Nom. 3" Round Downlight, Deep profile, Narrow Beam
 [OTHER] Matte White Trim, Clear glass lens
 [OTHER] 23.0 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	873
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	79
Total Luminaire Watts	11.1
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	0.44
Spacing Criterion (90-270)	0.44
Spacing Criterion (Diagonal)	0.48
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	4361	4822	4579
55	2801	3052	2613
65	2090	2352	2252
75	1580	1458	1110
85	2032	1763	2327

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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	2857.359	2857.359	2857.359	2857.359	2857.359
5	2767.995	2789.093	2818.785	2813.708	2805.076
10	1889.840	1888.789	1904.499	1893.025	1887.049
15	1039.434	1047.690	1054.397	1047.642	1040.255
20	712.697	712.785	716.219	707.323	698.423
25	474.545	474.861	475.221	468.626	465.419
30	273.554	270.652	271.091	266.514	259.869
35	71.742	71.045	69.773	68.975	67.586
40	24.403	24.856	24.823	25.523	25.492
45	19.201	19.570	21.234	20.263	20.164
50	15.771	15.338	15.429	15.634	14.796
55	10.005	9.335	10.901	9.037	9.333
60	9.071	8.118	8.177	7.509	7.540
65	5.500	5.597	6.190	5.519	5.926
70	3.274	3.856	3.991	3.633	3.349
75	2.546	2.051	2.350	2.095	1.789
80	1.222	0.904	1.633	1.157	1.744
85	1.103	0.731	0.957	0.631	1.263
90	0.000	0.000	0.000	0.000	0.000

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Zone	Lumens	%Lamp	%Fixt
0-20	554.97	N.A.	63.60
0-30	772.77	N.A.	88.60
0-40	838.47	N.A.	96.10
0-60	863.61	N.A.	99.00
0-80	871.82	N.A.	99.90
0-90	872.65	N.A.	100.00
10-90	637.01	N.A.	73.00
20-40	283.50	N.A.	32.50
20-50	299.07	N.A.	34.30
40-70	30.89	N.A.	3.50
60-80	8.20	N.A.	0.90
70-80	2.46	N.A.	0.30
80-90	0.83	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	872.65	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	235.64
10-20	319.34
20-30	217.80
30-40	65.70
40-50	15.57
50-60	9.58
60-70	5.74
70-80	2.46
80-90	0.83
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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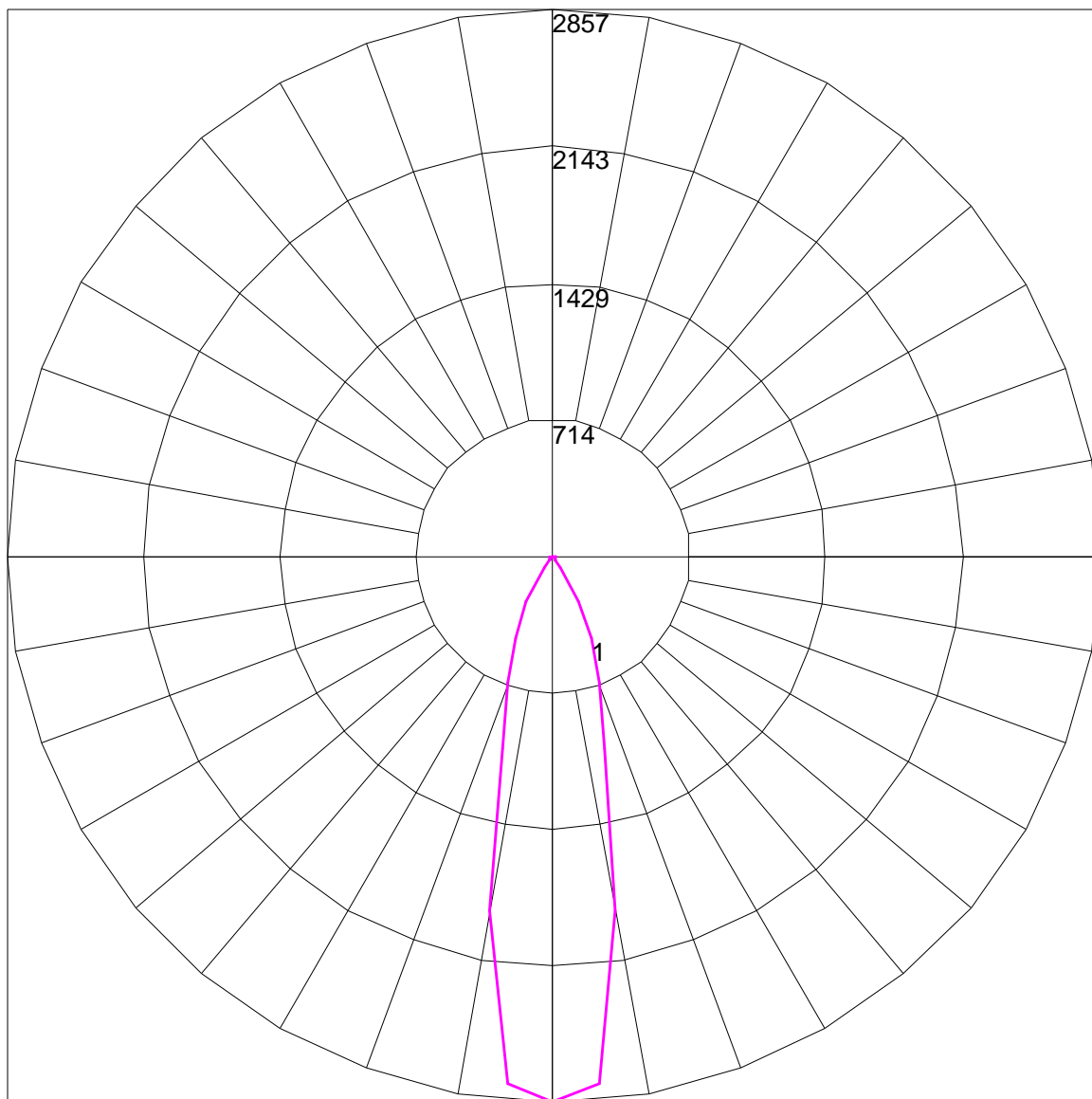
COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	112	110	108	112	110	108	106	106	104	103	102	101	100	99	98	97	95
2	110	106	102	99	108	104	101	98	101	98	96	98	96	94	95	94	92	91
3	106	100	96	93	104	99	95	92	96	93	91	94	92	89	92	90	88	87
4	102	95	91	87	100	94	90	87	92	89	86	90	87	85	89	86	84	83
5	98	91	86	83	96	90	86	83	89	85	82	87	84	81	86	83	80	79
6	94	87	82	79	93	87	82	79	85	81	78	84	80	78	83	80	77	76
7	91	84	79	75	90	83	79	75	82	78	75	81	77	75	80	77	74	73
8	88	80	76	72	87	80	75	72	79	75	72	78	74	72	77	74	71	70
9	85	77	73	70	84	77	73	69	76	72	69	75	72	69	75	71	69	68
10	82	75	70	67	82	74	70	67	74	70	67	73	69	67	72	69	66	65

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POLAR GRAPH



Maximum Candela = 2857.359 Located At Horizontal Angle = 0, Vertical Angle = 0
1 - Vertical Plane Through Horizontal Angles (0 - 180)