

IES INDOOR REPORT**PHOTOMETRIC FILENAME : SP-00545_43 ~ SR3DMX-XT30LE1-RDD3X-XXK-MDMWSO.IES****DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002
[TEST] SP-00545_43_M-30L
[TESTLAB] VLS-245-981
[MANUFAC] Spectrum Lighting
[ISSUE DATE] 2/15/2017
[UPDATE] 4/26/2017
[LUMCAT] SR3DMx-XT30L-E1-RDD3x-xxK-MD-MW-SO
[LUMINAIRE] Nom. 3" Round Downlight, Deep profile, Medium Beam
[OTHER] Matte White Trim, Solite Lens
[OTHER] 45.6 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 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	2783
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	80
Total Luminaire Watts	34.6
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	0.68
Spacing Criterion (90-270)	0.68
Spacing Criterion (Diagonal)	0.76
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	15610	20298	15610
55	11798	13711	11798
65	7996	10546	7996
75	3787	5225	3787
85	5273	5135	5273

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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	4872.957	4872.957	4872.957	4872.957	4872.957
5	4602.458	4703.580	4802.126	4703.580	4602.458
10	4042.664	4225.681	4383.296	4225.681	4042.664
15	3390.142	3599.712	3770.340	3599.712	3390.142
20	2642.434	2893.662	3082.161	2893.662	2642.434
25	1764.948	2041.468	2275.791	2041.468	1764.948
30	833.427	1084.779	1314.922	1084.779	833.427
35	256.334	381.154	499.704	381.154	256.334
40	105.675	132.935	168.155	132.935	105.675
45	68.734	78.342	89.377	78.342	68.734
50	52.721	56.711	64.954	56.711	52.721
55	42.141	45.883	48.972	45.883	42.141
60	31.140	36.587	39.343	36.587	31.140
65	21.042	22.866	27.755	22.866	21.042
70	10.647	13.665	17.004	13.665	10.647
75	6.104	7.795	8.421	7.795	6.104
80	4.437	5.519	3.647	5.519	4.437
85	2.862	2.900	2.787	2.900	2.862
90	0.000	0.000	0.000	0.000	0.000

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Zone	Lumens	%Lamp	%Fixt
0-20	1429.95	N.A.	51.40
0-30	2338.42	N.A.	84.00
0-40	2639.12	N.A.	94.80
0-60	2747.63	N.A.	98.70
0-80	2780.42	N.A.	99.90
0-90	2783.28	N.A.	100.00
10-90	2349.63	N.A.	84.40
20-40	1209.18	N.A.	43.40
20-50	1276.31	N.A.	45.90
40-70	132.44	N.A.	4.80
60-80	32.79	N.A.	1.20
70-80	8.85	N.A.	0.30
80-90	2.86	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	2783.28	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	433.65
10-20	996.29
20-30	908.48
30-40	300.70
40-50	67.13
50-60	41.37
60-70	23.94
70-80	8.85
80-90	2.86
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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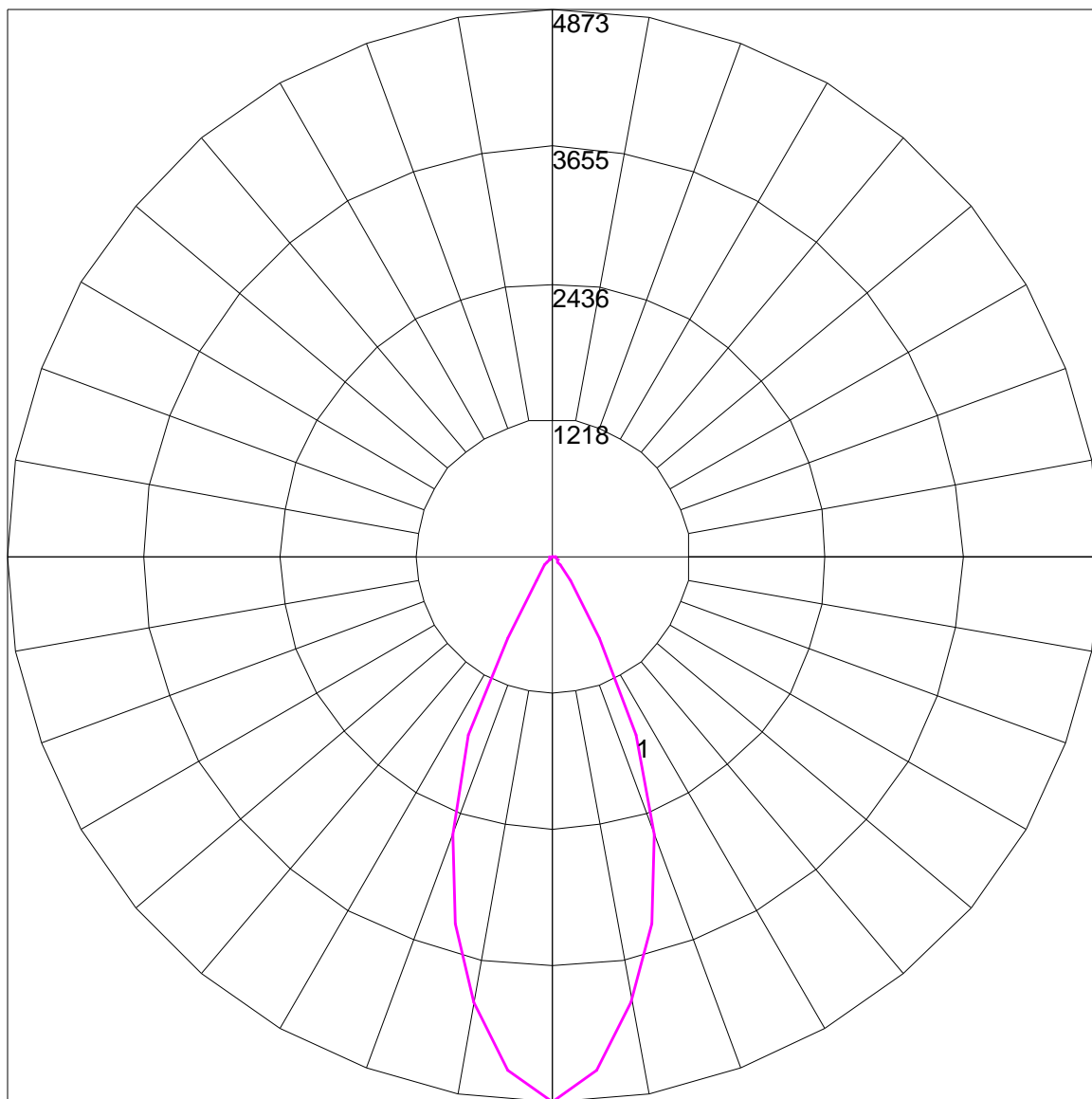
COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	109	107	111	109	107	105	105	103	102	101	100	99	98	97	96	94
2	109	104	101	97	107	103	99	96	99	97	94	96	94	92	94	92	90	89
3	104	98	94	90	102	97	93	89	94	91	88	92	89	86	90	87	85	84
4	99	93	87	84	98	91	87	83	89	85	82	87	84	81	86	83	80	79
5	95	88	82	78	94	87	82	78	85	81	77	83	80	77	82	79	76	75
6	91	83	78	74	90	82	77	73	81	76	73	79	75	72	78	75	72	71
7	87	79	73	70	86	78	73	69	77	72	69	76	72	69	75	71	68	67
8	84	75	70	66	82	75	69	66	73	69	66	72	68	65	72	68	65	64
9	80	72	66	63	79	71	66	63	70	66	62	69	65	62	69	65	62	61
10	77	68	63	60	76	68	63	60	67	63	59	66	62	59	66	62	59	58

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POLAR GRAPH



Maximum Candela = 4872.957 Located At Horizontal Angle = 0, Vertical Angle = 0
1 - Vertical Plane Through Horizontal Angles (0 - 180)