

IES INDOOR REPORT**PHOTOMETRIC FILENAME : SP-00545_47 ~ SR3DMX-XT20LE1-RDD3X-XXK-WDMWGL.IES****DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002
[TEST] SP-00545_47
[TESTLAB] VLS-245-981
[MANUFAC] Spectrum Lighting
[ISSUEDATE] 2/14/2017
[UPDATE] 4/27/2017
[LUMCAT] SR3DMx-XT20L-E1-RDD3x-xxK-WD-MW-GL
[LUMINAIRE] Nominal 3" Round Downlight, Deep profile, Wide Beam
[OTHER] Matte White Trim, clear glass lens
[OTHER] 54.6 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: 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

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	1897
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	80
Total Luminaire Watts	23.7
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	0.84
Spacing Criterion (90-270)	0.84
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

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Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	10397	11999	10397
55	9023	9626	9023
65	10543	12232	10543
75	4680	5557	4680
85	5048	5338	5048

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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	2375.817	2375.817	2375.817	2375.817	2375.817
5	2304.479	2336.329	2363.676	2336.329	2304.479
10	2163.707	2212.796	2248.511	2212.796	2163.707
15	1963.184	2034.195	2085.530	2034.195	1963.184
20	1692.056	1782.681	1846.874	1782.681	1692.056
25	1319.348	1441.198	1529.407	1441.198	1319.348
30	846.915	984.035	1079.119	984.035	846.915
35	410.352	512.115	591.040	512.115	410.352
40	137.310	202.599	252.097	202.599	137.310
45	45.781	49.965	52.836	49.965	45.781
50	37.931	39.840	41.489	39.840	37.931
55	32.228	34.606	34.381	34.606	32.228
60	32.463	32.150	31.558	32.150	32.463
65	27.747	31.089	32.190	31.089	27.747
70	14.723	18.720	22.533	18.720	14.723
75	7.543	7.977	8.956	7.977	7.543
80	3.574	5.954	5.761	5.954	3.574
85	2.740	2.351	2.897	2.351	2.740
90	0.000	0.000	0.000	0.000	0.000

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Zone	Lumens	%Lamp	%Fixt
0-20	783.95	N.A.	41.30
0-30	1425.02	N.A.	75.10
0-40	1760.58	N.A.	92.80
0-60	1855.92	N.A.	97.80
0-80	1894.19	N.A.	99.80
0-90	1897.04	N.A.	100.00
10-90	1678.15	N.A.	88.50
20-40	976.63	N.A.	51.50
20-50	1040.67	N.A.	54.90
40-70	123.01	N.A.	6.50
60-80	38.27	N.A.	2.00
70-80	10.59	N.A.	0.60
80-90	2.85	N.A.	0.20
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	1897.04	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	218.90
10-20	565.05
20-30	641.07
30-40	335.56
40-50	64.04
50-60	31.30
60-70	27.68
70-80	10.59
80-90	2.85
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

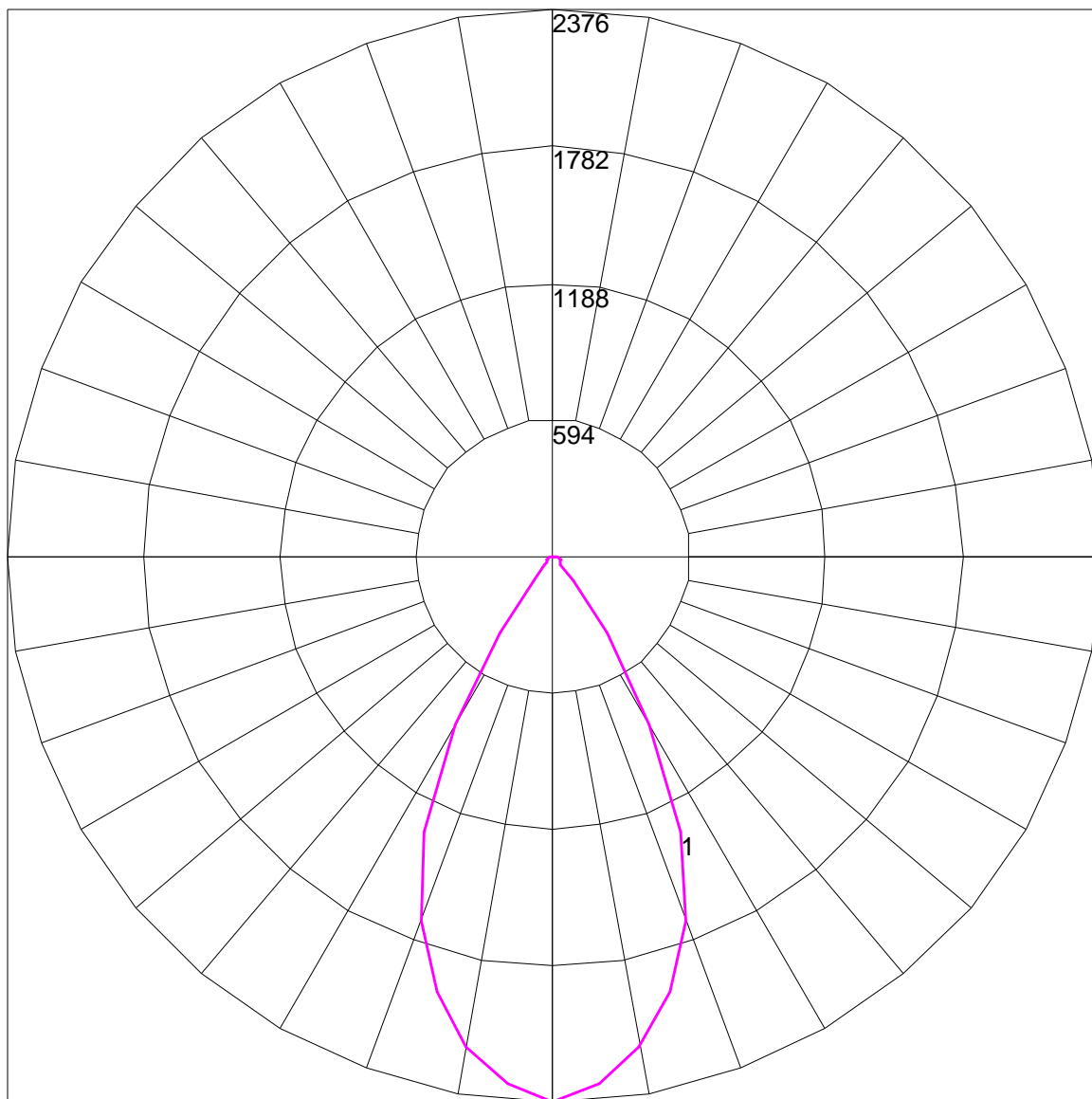
Effective Floor Cavity Reflectance 0.20

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

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POLAR GRAPH



Maximum Candela = 2375.817 Located At Horizontal Angle = 0, Vertical Angle = 0
1 - Vertical Plane Through Horizontal Angles (0 - 180)