

IES INDOOR REPORT

PHOTOMETRIC FILENAME : SP-00545_37 ~ SR3DMX-XT20LE1-RDD3X-XXK-XNMWSO.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST] SP-00545_37
 [TESTLAB] VLS-245-981
 [MANUFAC] Spectrum Lighting
 [ISSUE DATE] 2/15/2017
 [UPDATE] 4/25/2017
 [LUMCAT] SR3DMx-XT20L-E1-RDD3x-xxK-XN-MW-SO
 [LUMINAIRE] Nom. 3" Round Downlight, Deep profile, Xtra Narrow Beam
 [OTHER] Matte White Trim, Solite Lens
 [OTHER] 12.6 Degree Beam Angle
 [LAMP] N/A, 9mm LES
 [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

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	1526
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	41
Total Luminaire Watts	37.5
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	0.24
Spacing Criterion (90-270)	0.24
Spacing Criterion (Diagonal)	0.24
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	4462	5484	4951
55	4180	4721	4065
65	3700	2708	3095
75	1300	1211	2093
85	855	3808	2476

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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	14434.970	14434.970	14434.970	14434.970	14434.970
5	9067.814	9268.071	9504.540	9635.189	9623.399
10	2487.101	2615.520	2881.141	3020.997	3067.198
15	961.699	961.462	1001.939	1024.821	1056.911
20	725.760	727.381	728.226	740.401	748.750
25	629.410	635.510	625.867	641.392	643.037
30	448.042	434.510	424.492	426.497	427.568
35	130.824	119.583	132.245	132.131	137.190
40	35.527	33.183	32.728	30.104	32.540
45	19.648	23.441	24.147	22.268	21.800
50	17.999	17.827	19.781	19.818	18.463
55	14.930	13.847	16.862	16.386	14.518
60	10.749	9.967	12.462	10.749	10.055
65	9.738	7.542	7.126	7.186	8.145
70	5.361	6.548	6.166	3.566	5.118
75	2.096	2.842	1.951	1.886	3.374
80	2.754	2.004	1.652	1.541	1.945
85	0.464	1.286	2.067	1.486	1.344
90	0.000	0.000	0.000	0.000	0.000

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Zone	Lumens	%Lamp	%Fixt
0-20	1093.63	N.A.	71.70
0-30	1371.97	N.A.	89.90
0-40	1481.51	N.A.	97.10
0-60	1513.68	N.A.	99.20
0-80	1524.67	N.A.	99.90
0-90	1525.96	N.A.	100.00
10-90	801.91	N.A.	52.60
20-40	387.87	N.A.	25.40
20-50	406.48	N.A.	26.60
40-70	40.01	N.A.	2.60
60-80	10.99	N.A.	0.70
70-80	3.16	N.A.	0.20
80-90	1.30	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	1525.96	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	724.05
10-20	369.58
20-30	278.33
30-40	109.54
40-50	18.61
50-60	13.56
60-70	7.83
70-80	3.16
80-90	1.30
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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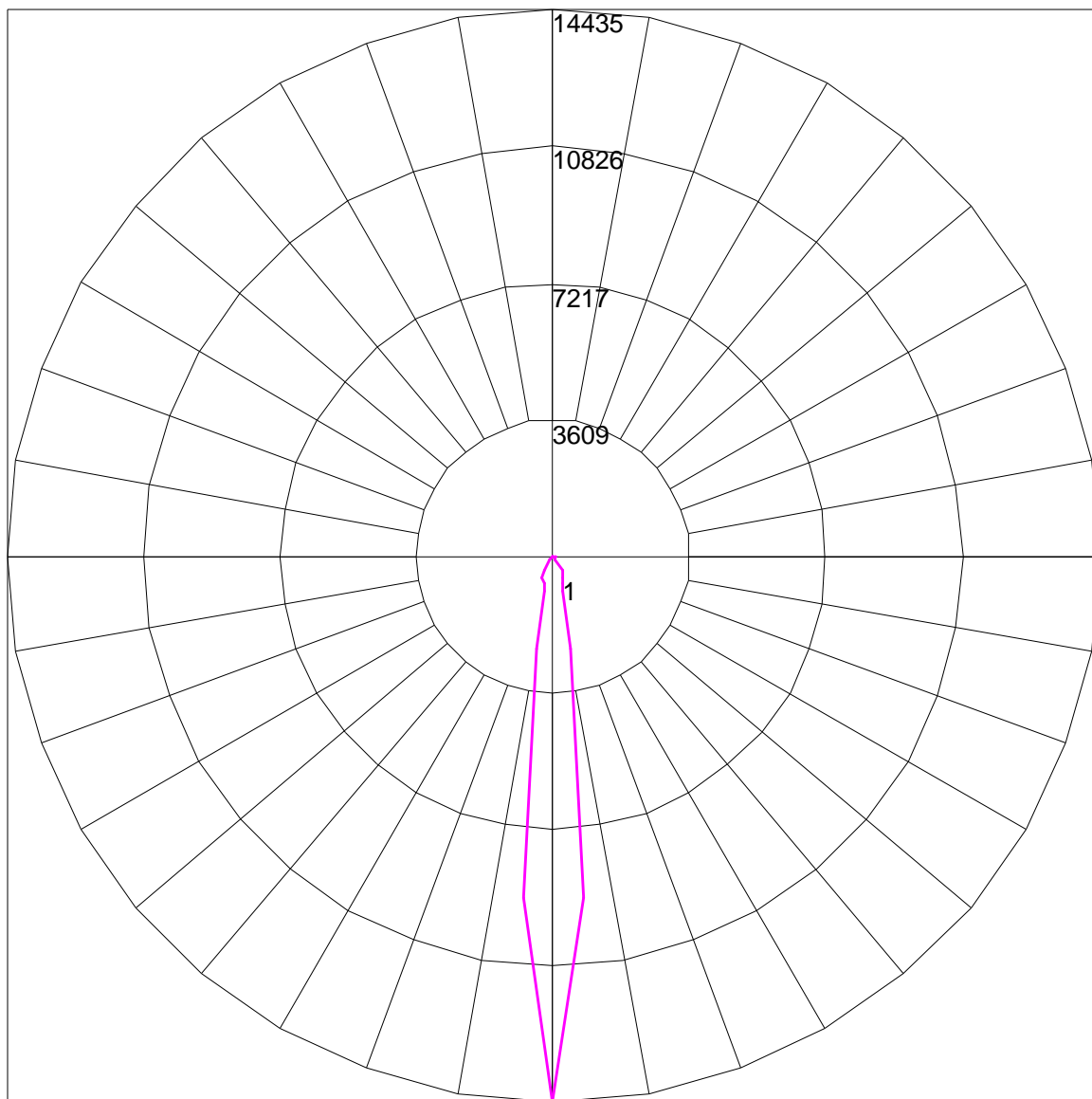
COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	115	113	111	109	113	111	109	107	107	105	104	103	102	101	100	99	98	96
2	111	107	104	102	109	106	103	101	103	100	99	100	98	97	97	96	95	93
3	108	103	99	96	106	102	98	96	99	96	94	97	95	93	95	93	91	90
4	104	99	95	92	103	98	94	91	96	93	90	94	91	89	92	90	88	87
5	101	95	91	88	100	94	91	88	93	90	87	91	89	86	90	88	86	84
6	98	92	88	85	97	91	88	85	90	87	84	89	86	84	88	85	83	82
7	96	89	85	82	95	89	85	82	88	84	82	87	84	81	86	83	81	80
8	93	87	83	80	92	86	82	80	85	82	79	84	81	79	84	81	79	78
9	91	84	80	78	90	84	80	78	83	80	77	82	79	77	82	79	77	76
10	89	82	78	76	88	82	78	76	81	78	75	81	78	75	80	77	75	74

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POLAR GRAPH



Maximum Candela = 14434.97 Located At Horizontal Angle = 0, Vertical Angle = 0
1 - Vertical Plane Through Horizontal Angles (0 - 180)