

IES INDOOR REPORT**PHOTOMETRIC FILENAME : SDXX6XT-13LXXKXNE1-SD6XMWGLX.IES****DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002

[TESTLAB] Photopia 2015.1.1 see: www.ltiopics.com/ies

[ISSUE DATE]

[TEST DATE] Fri Aug 05 2016

[UPDATE] Thu Sep 29 2016

[TEST] SP-00488_4_M-13L

[MANUFAC] Spectrum Lighting

[LUMCAT] SDxx6XT-13L-xxK-XN-E1-SD6x-MW-GLX

[LUMINAIRE] 6" Square, Downlight, Xtra Narrow Beam

[TRIM] Matte White, regressed clear glass Lens

[LAMP] N/A, 9mm, Min. 83 CRI

[LAMPCAT] N/A

[OTHER] Total Luminaire Watts is approximate

[OTHER] For Housings: SDFI6, SDFO6, SDZI6, and SDZO6 series

[OTHER] For Trims: SD6F and SD6N series

[OTHER] LEDXT lumen output is the same for all available color temperatures

[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	876
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	43
Total Luminaire Watts	20.4
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	0.20
Spacing Criterion (90-270)	0.22
Spacing Criterion (Diagonal)	0.22
Basic Luminous Shape	Point
Luminous Length (0-180)	0.00 ft
Luminous Width (90-270)	0.00 ft
Luminous Height	0.00 ft

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Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	0	0	0
55	0	0	0
65	0	0	0
75	0	0	0
85	0	0	0

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CANDELA TABULATION

	<u>0.0</u>	<u>22.5</u>	<u>45.0</u>	<u>67.5</u>	<u>90.0</u>
0	10390.217	10390.217	10390.217	10390.217	10390.217
5	5881.018	5855.187	5855.271	5905.315	6001.489
10	907.016	1145.176	1405.397	1223.365	1029.528
15	390.611	397.585	401.206	395.596	399.002
20	323.063	330.408	331.298	324.103	326.137
25	308.464	306.247	315.380	308.971	300.976
30	282.035	288.034	290.062	288.892	284.173
35	199.621	214.123	229.879	214.318	204.002
40	31.102	38.389	47.443	38.649	32.077
45	5.102	6.019	8.073	6.116	5.297
50	2.424	3.380	4.062	3.451	3.061
55	1.573	2.327	2.795	1.969	1.612
60	1.358	1.644	1.846	1.540	1.514
65	1.469	1.638	1.605	1.625	1.547
70	1.495	1.612	1.709	1.599	1.332
75	1.124	1.410	1.378	1.378	1.293
80	1.085	0.975	1.131	1.053	1.222
85	0.604	0.585	0.481	0.669	0.637
90	0.097	0.234	0.221	0.195	0.149

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	601.34	N.A.	68.60
0-30	743.56	N.A.	84.90
0-40	859.95	N.A.	98.20
0-60	872.41	N.A.	99.60
0-80	875.41	N.A.	99.90
0-90	876.08	N.A.	100.00
10-90	428.37	N.A.	48.90
20-40	258.61	N.A.	29.50
20-50	268.98	N.A.	30.70
40-70	14.05	N.A.	1.60
60-80	3.00	N.A.	0.30
70-80	1.41	N.A.	0.20
80-90	0.67	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	876.08	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	447.70
10-20	153.64
20-30	142.22
30-40	116.39
40-50	10.37
50-60	2.09
60-70	1.59
70-80	1.41
80-90	0.67
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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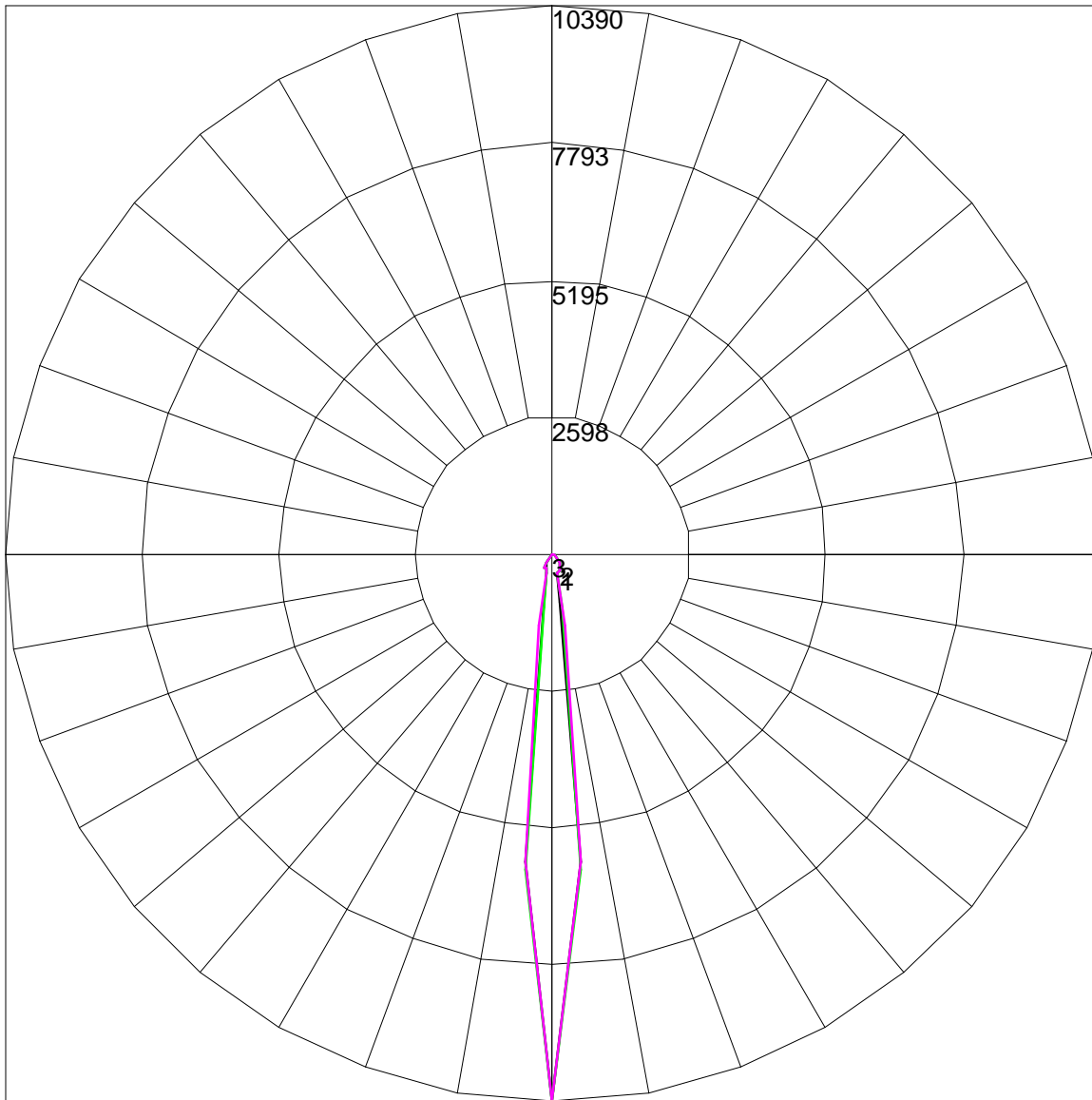
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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

POLAR GRAPH



Maximum Candela = 10390.217 Located At Horizontal Angle = 0, Vertical Angle = 0

1 - Vertical Plane Through Horizontal Angles (0 - 180)

2 - Vertical Plane Through Horizontal Angles (90 - 270)

3 - Vertical Plane Through Horizontal Angles (45 - 225)