

IES INDOOR REPORT**PHOTOMETRIC FILENAME : SDXX6XT-10LXXKXNE1-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-10L

[MANUFAC] Spectrum Lighting

[LUMCAT] SDxx6XT-10L-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	650
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	44
Total Luminaire Watts	14.8
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	7712.738	7712.738	7712.738	7712.738	7712.738
5	4365.525	4346.350	4346.413	4383.561	4454.951
10	673.285	850.073	1043.237	908.113	764.227
15	289.954	295.131	297.818	293.654	296.183
20	239.812	245.264	245.925	240.584	242.094
25	228.975	227.330	234.109	229.352	223.417
30	209.357	213.810	215.316	214.447	210.944
35	148.181	158.945	170.641	159.090	151.433
40	23.088	28.496	35.218	28.689	23.811
45	3.788	4.468	5.993	4.540	3.932
50	1.800	2.509	3.016	2.562	2.273
55	1.168	1.727	2.075	1.462	1.197
60	1.008	1.221	1.370	1.144	1.124
65	1.090	1.216	1.192	1.206	1.148
70	1.110	1.197	1.269	1.187	0.989
75	0.835	1.047	1.023	1.023	0.960
80	0.806	0.724	0.840	0.782	0.907
85	0.449	0.434	0.357	0.497	0.473
90	0.072	0.174	0.164	0.145	0.111

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	446.38	N.A.	68.60
0-30	551.95	N.A.	84.90
0-40	638.35	N.A.	98.20
0-60	647.60	N.A.	99.60
0-80	649.82	N.A.	99.90
0-90	650.32	N.A.	100.00
10-90	317.99	N.A.	48.90
20-40	191.97	N.A.	29.50
20-50	199.67	N.A.	30.70
40-70	10.43	N.A.	1.60
60-80	2.23	N.A.	0.30
70-80	1.05	N.A.	0.20
80-90	0.50	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	650.32	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	332.33
10-20	114.04
20-30	105.57
30-40	86.40
40-50	7.70
50-60	1.55
60-70	1.18
70-80	1.05
80-90	0.50
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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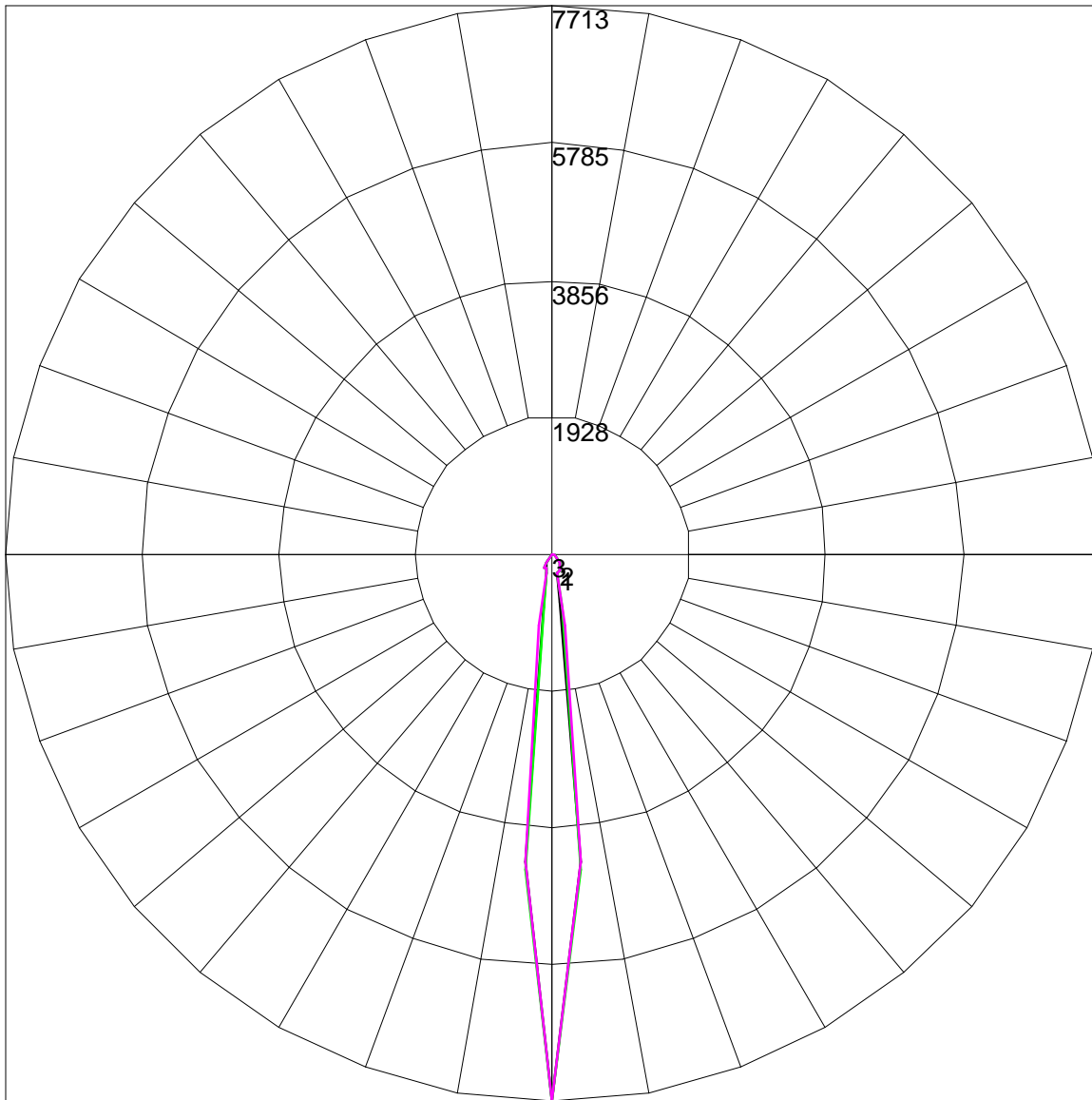
COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	108	107	105	104	103	102	101	100	99	98	97
2	111	108	105	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	90	87	91	88	86	90	88	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	88	84	82	86	83	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	77	83	80	77	82	79	77	82	79	77	76
10	89	82	78	76	88	82	78	76	81	78	75	81	77	75	80	77	75	74

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POLAR GRAPH



Maximum Candela = 7712.738 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)