

IES INDOOR REPORT**PHOTOMETRIC FILENAME : SDXX4XT-20LXXKWDE1-SD4XMWSOX.IES****DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002

[TESTLAB] Photopia 2014.1.0 see: www.ltioptics.com/ies

[ISSUE DATE]

[TEST DATE] Wed Sep 30 2015

[UPDATE] Wed Jul 13 2016

[TEST] SP-00487_2_M-20L

[MANUFAC] Spectrum Lighting

[LUMCAT] SDxx4LEDXT-20L-xxK-WD-E1-SD4x-MW-SOX

[LUMINAIRE] 4" Square, Downlight, Wide Beam

[TRIM] Matte White, regressed Solite Lens

[LAMP] N/A, Min. 83 CRI

[LAMPCAT] N/A

[OTHER] Total Luminaire Watts is approximate

[OTHER] For Housings: SDFI4, SDFO4, SDZI4, and SDZO4 series

[OTHER] For Trims: SD4F and SD4N series

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

[OTHER] This report prepared by Spectrum Lighting, scaled from 50L report

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	1432
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	60
Total Luminaire Watts	23.7
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	0.78
Spacing Criterion (90-270)	0.78
Spacing Criterion (Diagonal)	0.84
Basic Luminous Shape	Rectangular
Luminous Length (0-180)	0.33 ft
Luminous Width (90-270)	0.33 ft
Luminous Height	0.00 ft

IES INDOOR REPORT
PHOTOMETRIC FILENAME : SDXX4XT-20LXXKWDE1-SD4XMWSOX.IES

LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	12476	11548	12413
55	12292	11959	12069
65	12488	11950	12624
75	11587	11652	11105
85	10423	10361	9023

IES INDOOR REPORT
PHOTOMETRIC FILENAME : SDXX4XT-20LXXKWDE1-SD4XMWSOX.IES

CANDELA TABULATION

	<u>0.0</u>	<u>22.5</u>	<u>45.0</u>	<u>67.5</u>	<u>90.0</u>
0	1842.008	1842.008	1842.008	1842.008	1842.008
5	1719.604	1663.208	1707.924	1695.968	1715.780
10	1676.204	1667.172	1686.152	1691.848	1692.432
15	1629.668	1636.948	1659.596	1646.688	1625.116
20	1247.660	1336.940	1404.864	1330.992	1246.516
25	829.748	929.852	1053.276	950.520	828.092
30	377.788	534.512	776.204	536.992	370.172
35	133.220	165.420	370.388	169.652	129.160
40	109.652	109.152	128.156	110.384	111.496
45	91.128	83.588	84.356	84.876	90.672
50	84.668	77.932	77.380	78.668	86.128
55	72.832	71.196	70.860	71.184	71.508
60	64.620	64.156	62.656	63.680	67.696
65	54.520	54.848	52.172	55.204	55.112
70	43.572	43.672	43.616	44.240	40.144
75	30.980	31.576	31.152	31.392	29.692
80	18.548	18.920	20.500	19.620	17.760
85	9.384	9.392	9.328	10.064	8.124
90	2.756	2.408	2.760	2.940	3.188

IES INDOOR REPORT
PHOTOMETRIC FILENAME : SDXX4XT-20LXXKWDE1-SD4XMWSOX.IES

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	605.39	N.A.	42.30
0-30	1032.86	N.A.	72.10
0-40	1199.46	N.A.	83.80
0-60	1334.28	N.A.	93.20
0-80	1420.74	N.A.	99.20
0-90	1431.86	N.A.	100.00
10-90	1268.7	N.A.	88.60
20-40	594.08	N.A.	41.50
20-50	664.70	N.A.	46.40
40-70	188.32	N.A.	13.20
60-80	86.46	N.A.	6.00
70-80	32.95	N.A.	2.30
80-90	11.12	N.A.	0.80
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	1431.86	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	163.16
10-20	442.22
20-30	427.47
30-40	166.60
40-50	70.62
50-60	64.20
60-70	53.50
70-80	32.95
80-90	11.12
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

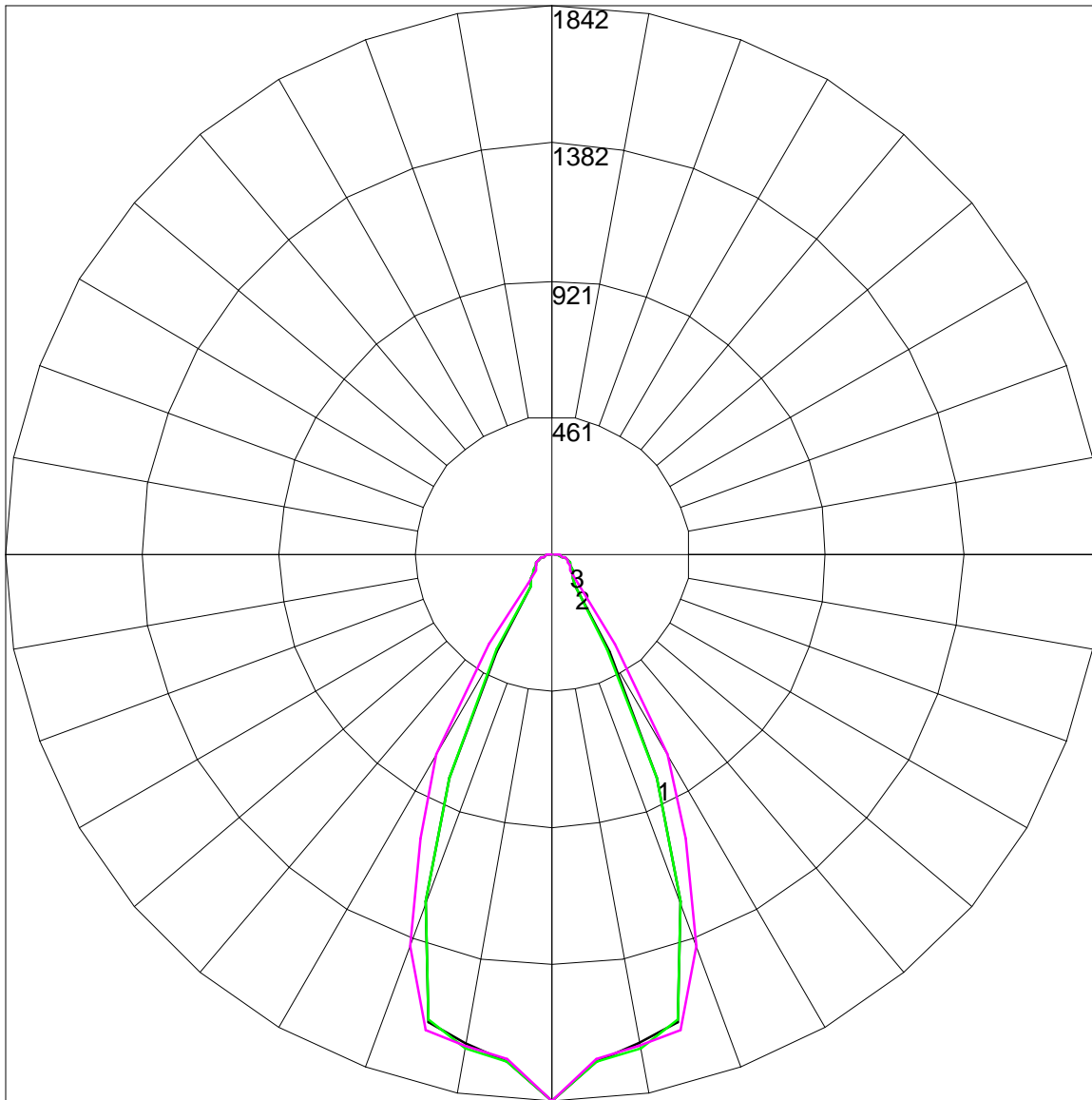
IES INDOOR REPORT
PHOTOMETRIC FILENAME : SDXX4XT-20LXXKWDE1-SD4XMWSOX.IES

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	112	109	106	104	110	107	105	102	103	101	99	99	98	96	96	95	93	91
2	106	101	96	92	104	99	95	91	96	92	89	93	90	87	90	88	86	84
3	101	93	88	84	98	92	87	83	89	85	82	87	83	80	85	82	79	77
4	95	87	81	77	93	86	80	76	84	79	75	82	78	74	80	76	73	72
5	90	82	75	71	89	81	75	70	79	74	70	77	73	69	75	72	69	67
6	86	77	70	66	84	76	70	66	74	69	65	73	68	65	71	67	64	63
7	82	72	66	62	80	72	66	61	70	65	61	69	64	61	68	64	60	59
8	78	68	62	58	77	68	62	58	67	61	58	66	61	57	65	60	57	56
9	75	65	59	55	73	64	58	55	63	58	54	62	58	54	61	57	54	53
10	71	61	56	52	70	61	55	52	60	55	51	59	55	51	59	54	51	50

POLAR GRAPH



Maximum Candela = 1842.008 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)