

IES INDOOR REPORT

PHOTOMETRIC FILENAME : SP-00551_11 ~ 4XT-10LXXK-XWEX-MWSO.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST] SP-00551_11_M-10L
 [TESTLAB] VLS-245-981
 [MANUFAC] Spectrum Lighting
 [ISSUEDATE] 4/6/2017
 [UPDATE] 8/21/2017
 [LUMINAIRE] Nom. 4" Head/Module, Xtra Wide Beam
 [LUMCAT] 4XT-10L-xxK-XW-EX-MW-SO
 [OTHER] Matte White finish, Solite lens
 [OTHER] 51.8 Degree Beam Angle
 [LAMP] N/A
 [LAMPCAT] N/A, 19mm LES, Min. 83CRI
 [OTHER] XT (Xicato) lumen output is same for all available CCT's at 19mm, 83CRI
 [OTHER] Luminaire Watts is approximate, per Head/Module, no thermal sensor
 [OTHER] Luminaire Watts for Surface/Suspended MULTIPLES = Module Watts x Qty
 [OTHER] Luminaire Watts for Recessed MULTIPLES = Module Watts x Qty + 2W Thermal sensor +
 [OTHER] Specific recessed units require active cooling approx. 1W per module, see Spec Sheets
 [OTHER] Photometric Data for Head/Module applicable to the following:
 [OTHER] SPECTRAC: Track Heads: STT4XT, STH4XT, STV4XT series
 [OTHER] MULTIPLES: 8" W Surface/Suspended: RCC816, RCC824, RCC848, RCC896
 [OTHER] MULTIPLES: 6" W Recessed: RC66**4, RC612**4, RC618**4, RC624**4
 [OTHER] ** indicates Trim variants: FT, RT, NF
 [OTHER] MULTIPLES: 12" x 12" Recessed: RC1212FT4
 [OTHER] MULTIPLES: 2' x 2' Recessed Grid Ceiling: GC24241X, GC24242X, GC24244X
 [OTHER] This report prepared by Spectrum Lighting, scaled from 30L

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	805
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	88
Total Luminaire Watts	9.1
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	0.84
Spacing Criterion (90-270)	0.84
Spacing Criterion (Diagonal)	0.80
Basic Luminous Shape	Circular
Luminous Length (0-180)	0.33 ft (Diameter)
Luminous Width (90-270)	0.33 ft (Diameter)
Luminous Height	0.00 ft

IES INDOOR REPORT**PHOTOMETRIC FILENAME : SP-00551_11 ~ 4XT-10LXXK-XWEX-MWSO.IES****LUMINANCE DATA (cd/sq.m)**

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	7580	8663	8932
55	3690	4004	4008
65	2840	3108	3217
75	2420	2384	2566
85	1884	1955	2180

IES INDOOR REPORT
PHOTOMETRIC FILENAME : SP-00551_11 ~ 4XT-10LXXK-XWEX-MWSO.IES

CANDELA TABULATION

	<u>0.0</u>	<u>22.5</u>	<u>45.0</u>	<u>67.5</u>	<u>90.0</u>
0	1031.974	1031.974	1031.974	1031.974	1031.974
5	1013.139	1013.108	1011.157	1013.257	1005.540
10	962.448	965.278	960.745	964.741	956.273
15	874.418	881.878	874.040	883.551	876.983
20	739.041	750.912	742.856	761.115	753.270
25	553.409	565.813	562.455	580.879	578.035
30	351.016	359.605	361.933	376.278	375.335
35	180.706	193.784	199.465	204.264	203.443
40	84.301	96.183	98.158	99.569	100.351
45	43.407	49.556	49.609	50.045	51.152
50	25.181	28.401	28.233	27.809	28.663
55	17.141	18.832	18.600	18.713	18.620
60	12.758	14.030	14.026	13.680	14.101
65	9.719	10.768	10.638	10.713	11.011
70	7.237	7.905	7.492	7.857	8.167
75	5.072	5.887	4.998	5.203	5.378
80	2.761	3.391	2.935	3.320	2.861
85	1.330	1.327	1.380	1.418	1.539
90	0.540	0.407	0.420	0.374	0.534

IES INDOOR REPORT
PHOTOMETRIC FILENAME : SP-00551_11 ~ 4XT-10LXXK-XWEX-MWSO.IES

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	338.54	N.A.	42.10
0-30	595.07	N.A.	73.90
0-40	726.97	N.A.	90.30
0-60	787.04	N.A.	97.80
0-80	803.29	N.A.	99.80
0-90	805.02	N.A.	100.00
10-90	709.96	N.A.	88.20
20-40	388.43	N.A.	48.30
20-50	430.95	N.A.	53.50
40-70	70.65	N.A.	8.80
60-80	16.26	N.A.	2.00
70-80	5.67	N.A.	0.70
80-90	1.72	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	805.02	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	95.06
10-20	243.48
20-30	256.53
30-40	131.90
40-50	42.53
50-60	17.54
60-70	10.58
70-80	5.67
80-90	1.72
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

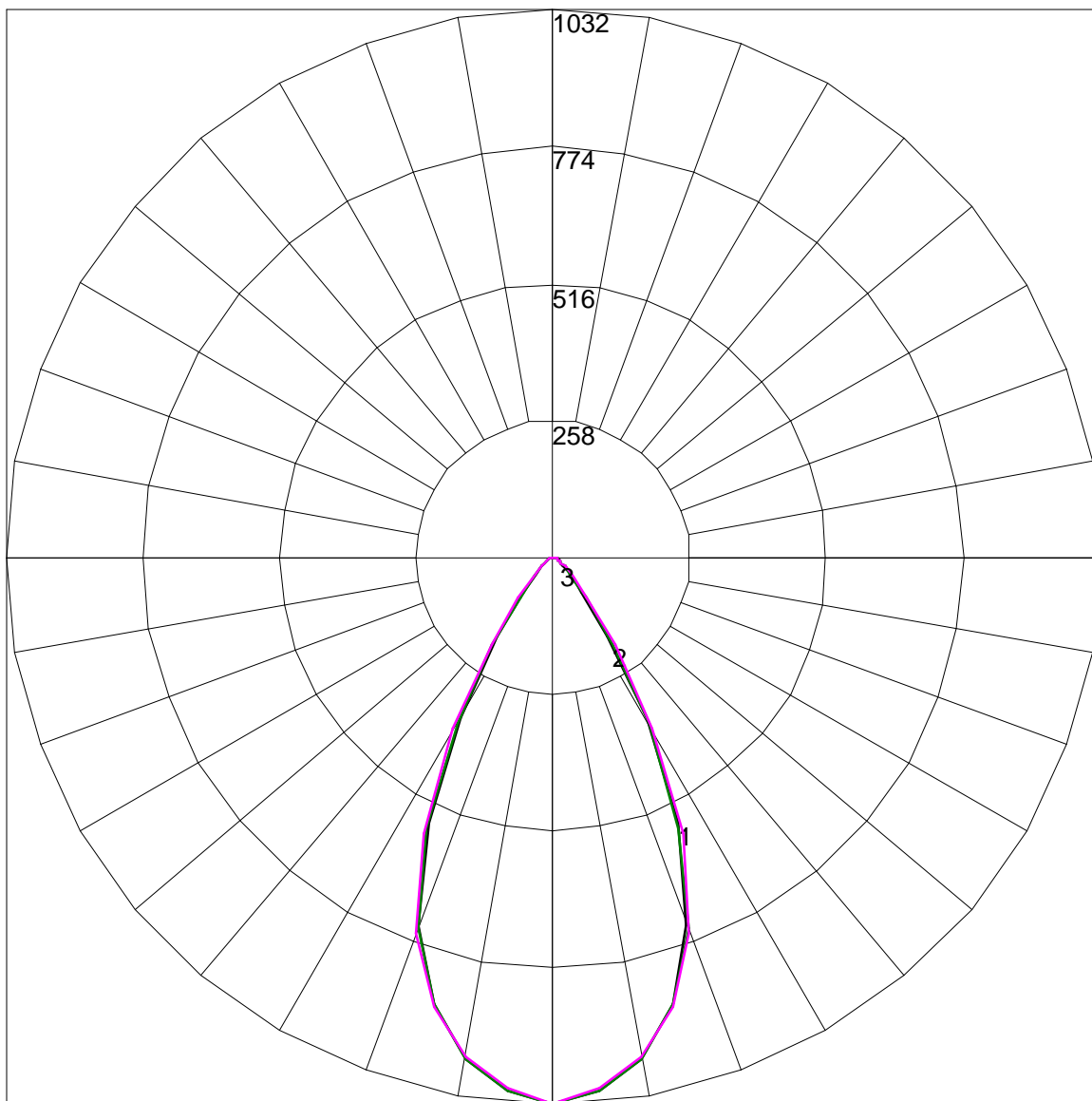
IES INDOOR REPORT
PHOTOMETRIC FILENAME : SP-00551_11 ~ 4XT-10LXXK-XWEX-MWSO.IES

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	113	110	108	106	111	108	106	104	104	102	101	101	99	98	97	96	95	93
2	108	103	99	95	105	101	97	94	98	95	92	95	92	90	92	90	88	87
3	102	96	91	87	100	94	90	86	92	88	85	89	86	83	87	84	82	81
4	97	90	84	80	95	88	83	79	86	82	78	84	81	77	82	79	77	75
5	92	84	78	74	91	83	78	74	81	77	73	80	76	72	78	75	72	70
6	88	79	73	69	86	78	73	69	77	72	68	75	71	68	74	70	67	66
7	84	75	69	64	82	74	68	64	73	68	64	71	67	64	70	66	63	62
8	80	70	65	60	79	70	64	60	69	64	60	68	63	60	67	63	60	58
9	76	67	61	57	75	66	61	57	65	60	57	64	60	56	64	59	56	55
10	73	63	58	54	72	63	57	54	62	57	54	61	57	53	61	56	53	52

POLAR GRAPH



Maximum Candela = 1031.974 Located At Horizontal Angle = 0, Vertical Angle = 0

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

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

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