

IES INDOOR REPORT**PHOTOMETRIC FILENAME : SP-00551_8 ~ 4XT-30LXXK-WDEX-MWSO.IES****DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002
[TEST] SP-00551_8
[TESTLAB] VLS-245-981
[MANUFAC] Spectrum Lighting
[ISSUEDATE] 4/5/2017
[UPDATE] 8/21/2017
[LUMINAIRE] Nom. 4" Diam Head/Module, Wide Beam
[LUMCAT] 4XT-30L-xxK-WD-EX-MW-SO
[OTHER] Matte White finish, no lens
[OTHER] 37.3 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

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	2481
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	76
Total Luminaire Watts	32.6
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	0.62
Spacing Criterion (90-270)	0.62
Spacing Criterion (Diagonal)	0.64
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

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Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	14835	16913	16708
55	10416	10905	10618
65	10321	10424	9820
75	9072	10576	9930
85	5238	9801	7053

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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	5013.470	5013.470	5013.470	5013.470	5013.470
5	4750.200	4798.042	4789.376	4786.415	4782.845
10	4112.571	4186.582	4160.417	4188.547	4153.511
15	3203.795	3285.588	3249.653	3300.098	3217.256
20	2252.573	2314.693	2285.218	2332.956	2269.794
25	1436.405	1489.181	1459.413	1500.231	1445.911
30	800.803	835.295	814.762	833.903	794.894
35	367.849	380.723	376.997	390.897	382.216
40	157.682	164.240	169.775	174.915	183.642
45	84.953	91.318	96.855	97.244	95.680
50	60.377	61.824	66.304	63.994	63.649
55	48.384	47.283	50.658	51.965	49.323
60	38.926	39.901	42.689	43.265	40.456
65	35.325	33.915	35.678	36.534	33.611
70	26.555	27.161	29.750	29.859	26.785
75	19.016	23.470	22.169	19.626	20.814
80	10.625	13.408	13.086	12.261	12.114
85	3.697	4.125	6.918	7.070	4.978
90	1.222	0.363	1.712	0.856	1.901

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	1336.27	N.A.	53.90
0-30	2021.95	N.A.	81.50
0-40	2290.76	N.A.	92.30
0-60	2417.1	N.A.	97.40
0-80	2473.82	N.A.	99.70
0-90	2480.59	N.A.	100.00
10-90	2043.2	N.A.	82.40
20-40	954.49	N.A.	38.50
20-50	1035.16	N.A.	41.70
40-70	161.03	N.A.	6.50
60-80	56.72	N.A.	2.30
70-80	22.03	N.A.	0.90
80-90	6.77	N.A.	0.30
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	2480.59	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	437.39
10-20	898.88
20-30	685.68
30-40	268.81
40-50	80.67
50-60	45.67
60-70	34.69
70-80	22.03
80-90	6.77
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

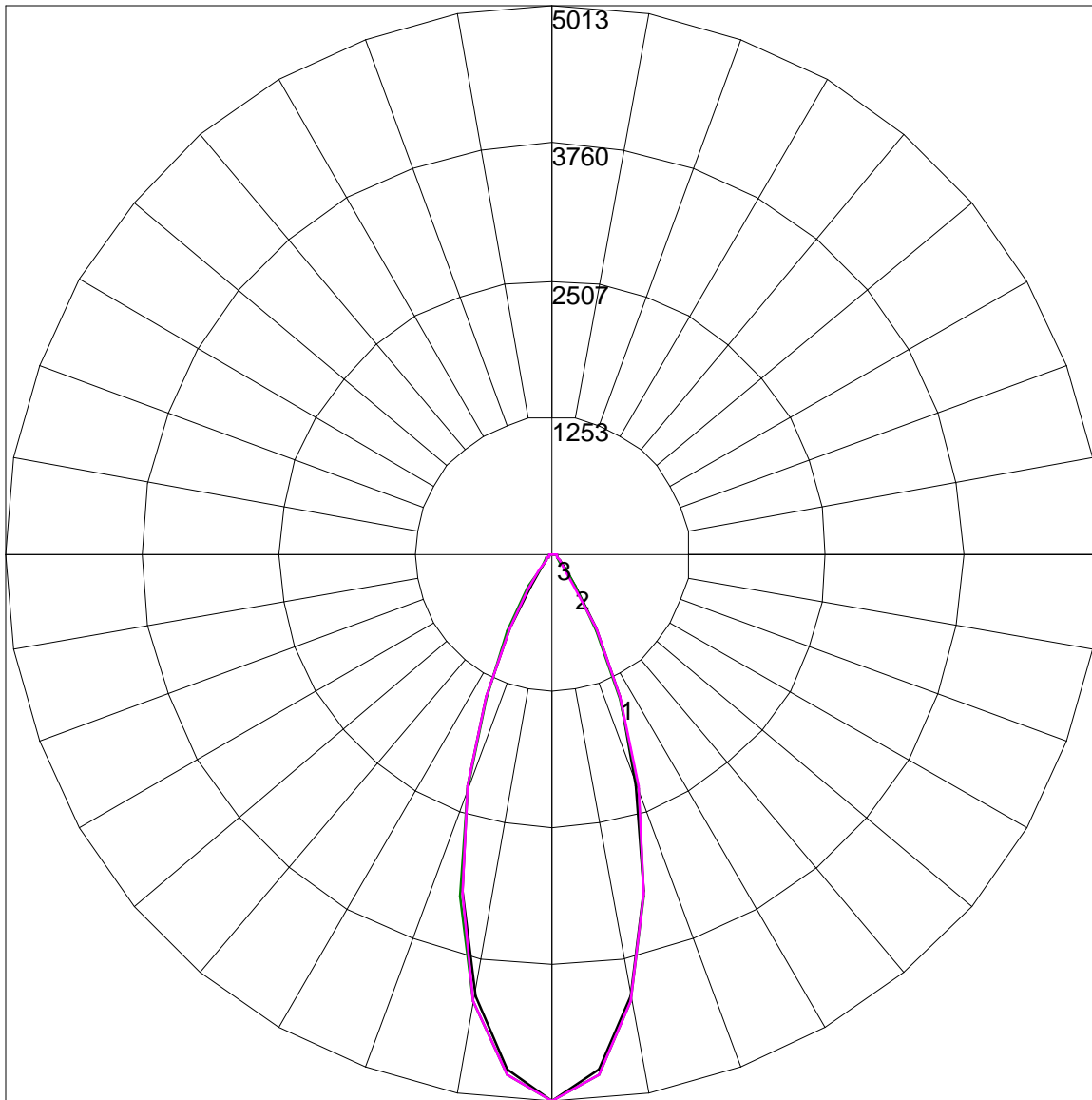
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	114	111	109	106	111	109	107	105	105	103	101	101	100	98	98	97	96	94
2	108	104	100	97	106	102	99	96	99	96	94	96	94	92	93	91	90	88
3	104	98	93	89	102	96	92	88	94	90	87	91	88	86	89	87	84	83
4	99	92	87	83	97	91	86	83	89	85	82	87	83	81	85	82	80	78
5	95	87	82	78	93	86	81	77	84	80	77	83	79	76	81	78	75	74
6	91	83	77	73	89	82	77	73	80	76	73	79	75	72	78	74	72	70
7	87	79	73	69	86	78	73	69	77	72	69	76	72	68	75	71	68	67
8	84	75	70	66	82	74	69	66	73	69	65	72	68	65	71	68	65	64
9	80	72	66	63	79	71	66	63	70	66	62	69	65	62	69	65	62	61
10	77	69	63	60	76	68	63	60	67	63	60	67	62	59	66	62	59	58

POLAR GRAPH



Maximum Candela = 5013.47 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)