

IES INDOOR REPORT
PHOTOMETRIC FILENAME : SP-00704 ~ FI0406XT-10L30K-WD-EX-FG-SM-MW.IES
DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST] SP-00704
 [TESTLAB] Spectrum Lighting Photometric Lab, VLS-245-981
 [MANUFAC] Spectrum Lighting
 [ISSUEDATE] 8/1/2018
 [UPDATE] 8/14/2018
 [LUMCAT] FI0406XT-10L30K-WD-EX-FG-SM-MW
 [LUMINAIRE] Nom 5" diam x 6.6" H mounted task light
 [OTHER] Matte White, Frosted Glass Lens
 [OTHER] 57.4 Degree Beam Angle
 [LAMP] N/A, 19mm
 [LAMPCAT] N/A, Min. 83 CRI
 [OTHER] Total Luminaire Watts is approximate
 [OTHER] LEDXT lumen output is the same for all available CCT's
 [OTHER] This report prepared by Spectrum Lighting
 [_CRI] 83
 [_CCTMULT] Same for all available CCT's
 [_LAMPMULT] Only 10L source available

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	496
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	54
Total Luminaire Watts	9.1
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	0.86
Spacing Criterion (90-270)	0.88
Spacing Criterion (Diagonal)	0.88
Basic Luminous Shape	Circular
Luminous Length (0-180)	0.42 ft (Diameter)
Luminous Width (90-270)	0.42 ft (Diameter)
Luminous Height	0.00 ft

IES INDOOR REPORT**PHOTOMETRIC FILENAME : SP-00704 ~ FI0406XT-10L30K-WD-EX-FG-SM-MW.IES****LUMINANCE DATA (cd/sq.m)**

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	5522	5529	5232
55	2676	2790	2561
65	2233	2275	2107
75	2212	2040	1885
85	2032	2246	1566

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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>	<u>112.5</u>	<u>135.0</u>	<u>157.5</u>	<u>180.0</u>	<u>202.5</u>
0.0	537.219	537.219	537.219	537.219	537.219	537.219	537.219	537.219	537.219	537.219
2.5	533.179	531.891	533.817	535.035	533.610	533.130	532.785	531.635	532.907	532.295
5.0	526.450	526.325	525.734	527.902	526.763	525.681	525.829	524.010	527.009	526.457
7.5	511.606	512.805	512.596	515.159	512.656	512.470	513.240	512.238	513.364	511.604
10.0	494.200	498.590	495.553	500.744	496.266	496.865	497.419	495.427	497.768	495.097
12.5	471.995	475.639	474.451	479.078	474.933	473.734	476.609	473.809	475.563	472.964
15.0	446.766	452.338	449.232	455.840	450.902	449.201	453.486	448.470	452.194	448.730
17.5	416.992	423.304	420.529	426.825	422.155	421.278	424.842	420.243	423.262	419.057
20.0	386.256	393.970	389.803	396.917	392.365	391.951	394.166	389.320	393.673	387.855
22.5	354.316	360.457	357.648	364.971	361.106	359.902	361.786	356.653	359.845	353.447
25.0	321.619	327.074	325.222	332.842	328.254	326.312	328.932	323.277	325.774	318.010
27.5	288.149	294.672	292.642	297.491	293.555	290.295	292.730	289.534	286.837	280.853
30.0	249.754	260.199	252.551	261.875	252.213	248.650	255.842	243.349	247.406	238.574
32.5	207.272	215.044	209.008	214.044	204.512	199.833	205.642	192.083	197.271	189.278
35.0	164.936	170.716	164.384	166.722	159.234	154.871	153.591	147.953	148.289	144.755
37.5	122.702	129.427	119.368	126.792	115.841	114.020	116.005	106.148	110.567	105.619
40.0	91.096	92.752	89.925	88.915	85.109	83.267	79.521	78.792	75.474	75.743
42.5	65.415	69.102	64.766	67.291	62.468	61.278	60.770	54.923	56.444	54.377
45.0	49.592	49.245	49.651	47.590	46.986	45.702	42.678	42.437	39.410	39.708
47.5	38.202	37.860	36.562	37.991	35.227	34.642	34.153	31.850	30.968	30.112
50.0	30.394	28.855	30.084	29.234	27.945	27.315	25.990	25.499	23.454	23.722
52.5	23.860	24.072	24.510	23.624	22.500	22.171	22.210	19.613	18.883	19.323
55.0	19.493	19.767	20.320	18.726	18.652	17.563	18.507	15.604	15.106	15.818
57.5	15.705	16.157	16.234	15.864	15.328	13.203	15.366	11.690	13.297	12.758
60.0	14.275	13.797	14.925	13.482	13.712	11.502	12.469	11.071	11.740	11.416
62.5	13.304	12.927	13.671	12.184	12.511	10.765	10.745	10.422	10.684	10.756
65.0	11.984	12.183	12.208	10.806	11.308	10.211	9.287	9.168	9.735	10.035
67.5	10.620	11.556	10.832	9.287	10.104	9.708	8.691	8.013	8.949	9.294
70.0	9.447	10.059	10.010	8.636	8.732	8.775	7.876	7.397	7.805	7.561
72.5	8.310	8.099	8.720	8.797	7.398	7.554	6.722	6.687	6.354	5.894
75.0	7.272	6.652	6.707	6.944	6.195	5.288	5.500	5.842	5.182	5.131
77.5	5.411	5.156	5.060	5.182	4.881	4.268	4.421	4.481	4.157	4.529
80.0	3.790	3.577	3.971	4.318	3.522	3.592	3.837	3.205	3.315	3.764
82.5	3.050	1.997	3.417	3.857	2.305	2.372	2.720	2.155	2.624	2.479
85.0	2.249	2.518	2.486	2.122	1.733	1.897	1.982	1.412	1.643	1.684
87.5	1.454	1.332	1.397	1.470	1.229	1.174	1.184	1.167	1.300	1.402
90.0	0.918	0.298	0.987	0.392	1.292	0.885	0.463	0.852	0.416	0.949
92.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
95.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
97.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
100.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
102.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
105.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
107.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
110.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
112.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
115.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
117.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
120.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
122.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
125.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

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CANDELA TABULATION - (Cont.)

127.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
130.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
132.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
135.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
137.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
140.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
142.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
145.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
147.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
150.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
152.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
155.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
157.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
160.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
162.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
165.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
167.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
170.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
172.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
175.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
177.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
180.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

Vert. Horizontal Angles

	<u>225.0</u>	<u>247.5</u>	<u>270.0</u>	<u>292.5</u>	<u>315.0</u>	<u>337.5</u>	<u>360.0</u>
0.0	537.219	537.219	537.219	537.219	537.219	537.219	537.219
2.5	534.825	533.908	533.212	534.641	532.649	533.451	533.179
5.0	526.983	525.745	526.200	528.272	524.803	526.647	526.450
7.5	513.858	510.778	513.041	513.062	511.233	513.096	511.606
10.0	497.972	493.683	498.600	496.930	493.791	495.673	494.200
12.5	476.647	473.067	476.400	474.887	472.655	473.266	471.995
15.0	453.078	448.920	453.129	452.546	446.766	448.546	446.766
17.5	423.115	419.981	422.911	422.265	417.190	420.114	416.992
20.0	391.047	388.764	392.171	391.784	385.758	390.315	386.256
22.5	358.252	355.001	358.074	357.682	353.127	357.670	354.316
25.0	325.279	320.188	323.859	323.692	319.463	324.233	321.619
27.5	287.097	284.421	288.556	290.709	285.263	290.741	288.149
30.0	248.031	241.244	252.327	255.761	246.451	257.237	249.754
32.5	199.319	192.509	205.015	209.509	205.754	212.431	207.272
35.0	149.527	149.122	158.667	164.142	162.967	166.053	164.936
37.5	112.527	109.027	119.307	122.331	119.500	127.969	122.702
40.0	76.228	79.432	83.324	85.361	88.973	90.517	91.096
42.5	57.903	54.998	63.528	63.413	61.567	68.728	65.415
45.0	40.094	41.382	45.604	44.980	47.961	47.609	49.592
47.5	32.931	32.009	34.298	34.943	36.658	38.379	38.202
50.0	26.010	26.073	25.420	26.878	29.632	29.455	30.394
52.5	21.342	21.188	23.164	22.532	23.075	24.249	23.860
55.0	17.048	17.204	20.307	18.422	18.893	19.291	19.493
57.5	14.950	13.421	16.171	14.680	14.830	16.152	15.705
60.0	13.049	12.417	13.286	12.064	14.124	13.416	14.275
62.5	11.972	11.845	12.556	10.870	13.358	12.628	13.304
65.0	10.949	11.035	11.644	10.354	11.435	12.022	11.984

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CANDELA TABULATION - (Cont.)

67.5	10.086	10.202	10.484	10.516	9.589	12.006	10.620
70.0	8.993	9.318	9.011	9.196	8.166	11.058	9.447
72.5	7.576	8.157	7.304	7.028	7.026	8.660	8.310
75.0	5.760	6.344	6.103	6.028	6.288	6.759	7.272
77.5	4.207	4.886	4.821	4.911	5.432	5.222	5.411
80.0	3.739	3.585	3.357	3.570	4.137	4.219	3.790
82.5	3.090	2.474	2.412	2.233	2.607	2.911	3.050
85.0	1.958	1.847	1.919	1.785	1.734	2.389	2.249
87.5	1.456	1.483	1.449	1.188	1.357	1.223	1.454
90.0	0.733	0.857	1.073	0.312	0.808	0.325	0.918
92.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
95.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
97.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
100.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
102.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
105.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
107.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
110.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
112.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
115.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
117.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
120.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
122.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
125.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
127.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
130.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
132.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
135.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
137.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
140.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
142.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
145.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
147.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
150.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
152.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
155.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
157.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
160.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
162.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
165.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
167.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
170.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
172.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
175.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
177.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
180.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000

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Zone	Lumens	%Lamp	%Fixt
0-20	174.62	N.A.	35.20
0-30	322.38	N.A.	65.00
0-40	421.80	N.A.	85.10
0-60	476.14	N.A.	96.00
0-80	493.49	N.A.	99.50
0-90	495.72	N.A.	100.00
10-90	446.47	N.A.	90.00
20-40	247.18	N.A.	49.90
20-50	284.76	N.A.	57.40
40-70	65.17	N.A.	13.10
60-80	17.36	N.A.	3.50
70-80	6.53	N.A.	1.30
80-90	2.23	N.A.	0.40
90-110	0.10	N.A.	0.00
90-120	0.10	N.A.	0.00
90-130	0.10	N.A.	0.00
90-150	0.10	N.A.	0.00
90-180	0.10	N.A.	0.00
110-180	0.00	N.A.	0.00
0-180	495.82	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	49.25
10-20	125.37
20-30	147.76
30-40	99.42
40-50	37.58
50-60	16.75
60-70	10.83
70-80	6.53
80-90	2.23
90-100	0.10
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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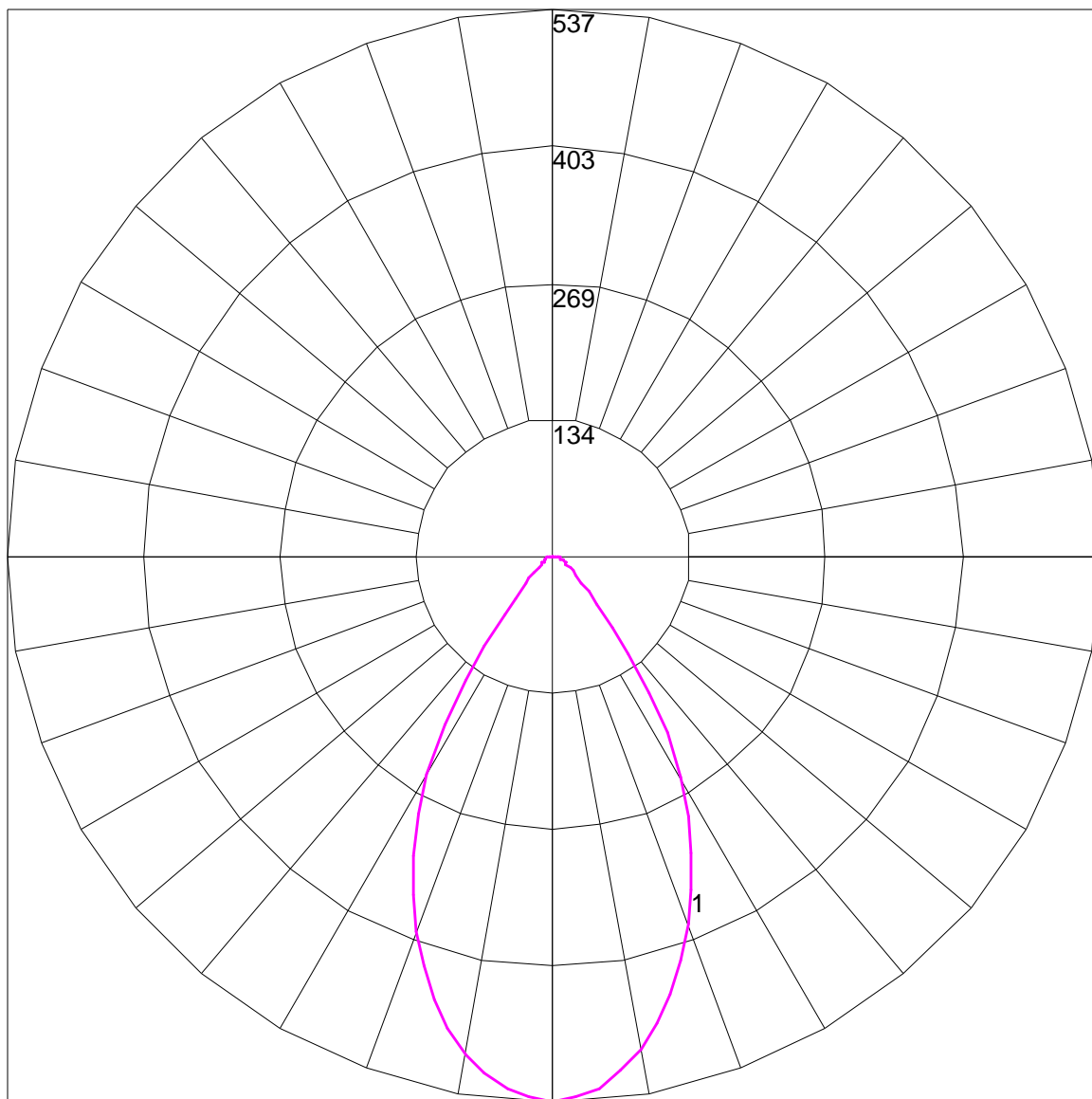
COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	113	110	107	104	110	107	105	103	103	101	99	100	98	96	96	95	94	92
2	106	101	97	93	104	99	95	92	96	93	90	93	90	88	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	76	93	86	80	76	83	79	75	81	77	74	79	76	73	71
5	90	81	75	70	88	80	74	70	78	73	69	76	72	68	75	71	68	66
6	85	76	69	65	84	75	69	64	73	68	64	72	67	63	70	66	63	61
7	81	71	64	60	79	70	64	60	69	63	59	68	63	59	66	62	59	57
8	77	67	60	56	75	66	60	56	65	59	55	64	59	55	63	58	55	54
9	73	63	56	52	72	62	56	52	61	56	52	60	55	52	59	55	52	50
10	69	59	53	49	68	59	53	49	58	52	49	57	52	49	56	52	49	47

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POLAR GRAPH



Maximum Candela = 537.219 Located At Horizontal Angle = 0, Vertical Angle = 0
1 - Vertical Plane Through Horizontal Angles (0 - 180)