

IES INDOOR REPORT
PHOTOMETRIC FILENAME : SP-00629_3 ~ C1216XT-30LXXK-MDEX-TCY-GLXXMW.IES
DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST] SP-00629_3
 [TESTLAB] VLS-245-981
 [MANUFAC] Spectrum Lighting
 [ISSUEDATE] 9/20/2017
 [UPDATE] 3/9/2018
 [LUMCAT] C1216XT-30L-xxK-MD-EX-TCY-GL
 [LUMINAIRE] Nom. 12" Diam. x 16" H. Accent Biaxial Adjustable Downlight Cylinder
 [OTHER] Internal Reflector, Medium Beam
 [OTHER] Clear Glass Lens, Flush with Lower Trim
 [OTHER] 21.1 Degree Beam Angle
 [OTHER] Aimed at 0 Degrees
 [LAMPCAT] N/A, 19mm LES
 [LAMP] N/A, 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

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	2829
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	87
Total Luminaire Watts	32.6
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	0.40
Spacing Criterion (90-270)	0.38
Spacing Criterion (Diagonal)	0.38
Basic Luminous Shape	Circular
Luminous Length (0-180)	0.44 ft (Diameter)
Luminous Width (90-270)	0.44 ft (Diameter)
Luminous Height	0.00 ft

IES INDOOR REPORT**PHOTOMETRIC FILENAME : SP-00629_3 ~ C1216XT-30LXXK-MDEX-TCY-GLXXMW.IES****LUMINANCE DATA (cd/sq.m)**

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	26258	28584	26357
55	4847	4825	4327
65	3546	3122	3085
75	4727	5325	4811
85	4231	4863	4699

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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	10144.120	10144.120	10144.120	10144.120	10144.120	10144.120	10144.120	10144.120	10144.120	10144.120
5	9047.068	9264.987	9117.825	9177.561	8903.804	8655.900	8637.803	8252.260	8306.765	8004.804
10	5825.394	6145.141	5917.014	6018.476	5618.914	5298.611	5282.014	4833.877	4902.548	4603.226
15	2823.100	3053.566	2899.958	2973.790	2703.276	2520.585	2504.161	2254.599	2308.949	2150.971
20	1397.070	1491.874	1435.722	1474.477	1367.671	1314.641	1308.986	1234.827	1255.322	1210.360
25	1051.265	1069.662	1055.824	1060.902	1037.421	1020.692	1021.746	1008.964	1007.781	1002.554
30	963.727	970.940	960.606	958.708	950.641	942.520	942.086	935.453	936.285	932.968
35	887.012	904.386	893.472	898.644	878.279	867.987	860.569	830.224	839.843	806.292
40	632.113	678.567	660.896	677.067	632.478	588.580	578.958	517.796	514.688	465.566
45	264.924	294.506	288.391	289.768	265.925	231.585	228.241	195.670	192.861	169.533
50	80.334	92.074	86.225	90.600	74.703	74.009	74.642	64.110	70.222	62.992
55	39.666	39.548	39.484	39.740	35.411	40.131	39.408	35.201	39.416	33.959
60	24.003	27.497	24.218	25.943	26.256	31.287	30.469	29.726	30.746	31.065
65	21.385	20.278	18.826	19.903	18.604	27.432	28.487	28.910	27.068	27.277
70	19.674	16.880	17.899	18.137	19.016	27.091	31.239	31.184	27.800	30.075
75	17.457	16.783	19.666	19.253	17.768	28.420	31.250	31.048	30.940	32.933
80	13.423	16.243	15.254	15.753	16.017	28.138	28.195	28.838	32.618	29.868
85	5.261	6.432	6.048	5.954	5.843	17.773	20.299	17.227	18.012	19.132
90	1.666	0.589	1.960	0.510	2.273	9.889	4.128	12.787	4.417	11.303
95	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
100	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
105	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
110	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
115	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
120	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
125	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
130	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
135	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
140	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
145	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
150	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
155	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
160	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
165	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
170	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
175	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
180	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	10144.120	10144.120	10144.120	10144.120	10144.120	10144.120	10144.120
5	8170.128	7997.610	8268.020	8612.842	8663.347	9053.851	9047.068
10	4798.155	4622.815	4921.546	5294.662	5334.486	5846.494	5825.394
15	2262.863	2160.439	2311.042	2510.171	2524.489	2833.346	2823.100
20	1245.342	1208.419	1259.703	1309.578	1307.011	1404.353	1397.070
25	1008.539	1000.516	1016.096	1032.767	1032.619	1051.788	1051.265
30	935.675	932.079	944.737	955.548	958.722	967.040	963.727
35	823.315	809.513	856.574	869.427	869.455	899.545	887.012
40	488.440	475.937	518.630	565.849	575.008	640.279	632.113
45	181.063	171.137	177.360	215.438	221.926	260.759	264.924

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50	65.161	62.686	63.237	67.464	70.514	84.591	80.334
55	36.142	35.629	37.323	37.768	37.326	39.023	39.666
60	26.591	27.751	30.676	24.424	24.860	27.191	24.003
65	30.035	25.642	27.958	19.750	20.994	22.588	21.385
70	27.565	29.169	27.356	17.717	18.608	17.668	19.674
75	29.157	27.696	30.344	17.966	18.092	20.115	17.457
80	25.134	25.775	28.477	13.032	17.253	15.706	13.423
85	20.037	14.591	17.102	5.899	5.198	6.654	5.261
90	4.141	13.176	8.359	0.500	1.898	1.035	1.666
95	0.000	0.000	0.000	0.000	0.000	0.000	0.000
100	0.000	0.000	0.000	0.000	0.000	0.000	0.000
105	0.000	0.000	0.000	0.000	0.000	0.000	0.000
110	0.000	0.000	0.000	0.000	0.000	0.000	0.000
115	0.000	0.000	0.000	0.000	0.000	0.000	0.000
120	0.000	0.000	0.000	0.000	0.000	0.000	0.000
125	0.000	0.000	0.000	0.000	0.000	0.000	0.000
130	0.000	0.000	0.000	0.000	0.000	0.000	0.000
135	0.000	0.000	0.000	0.000	0.000	0.000	0.000
140	0.000	0.000	0.000	0.000	0.000	0.000	0.000
145	0.000	0.000	0.000	0.000	0.000	0.000	0.000
150	0.000	0.000	0.000	0.000	0.000	0.000	0.000
155	0.000	0.000	0.000	0.000	0.000	0.000	0.000
160	0.000	0.000	0.000	0.000	0.000	0.000	0.000
165	0.000	0.000	0.000	0.000	0.000	0.000	0.000
170	0.000	0.000	0.000	0.000	0.000	0.000	0.000
175	0.000	0.000	0.000	0.000	0.000	0.000	0.000
180	0.000	0.000	0.000	0.000	0.000	0.000	0.000

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Zone	Lumens	%Lamp	%Fixt
0-20	1510.78	N.A.	53.40
0-30	2008.4	N.A.	71.00
0-40	2515.03	N.A.	88.90
0-60	2764.33	N.A.	97.70
0-80	2813.83	N.A.	99.50
0-90	2827.65	N.A.	100.00
10-90	2103.69	N.A.	74.40
20-40	1004.26	N.A.	35.50
20-50	1214.11	N.A.	42.90
40-70	273.94	N.A.	9.70
60-80	49.51	N.A.	1.80
70-80	24.87	N.A.	0.90
80-90	13.81	N.A.	0.50
90-110	1.35	N.A.	0.00
90-120	1.35	N.A.	0.00
90-130	1.35	N.A.	0.00
90-150	1.35	N.A.	0.00
90-180	1.35	N.A.	0.00
110-180	0.00	N.A.	0.00
0-180	2828.99	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	723.96
10-20	786.82
20-30	497.62
30-40	506.63
40-50	209.85
50-60	39.45
60-70	24.64
70-80	24.87
80-90	13.81
90-100	1.35
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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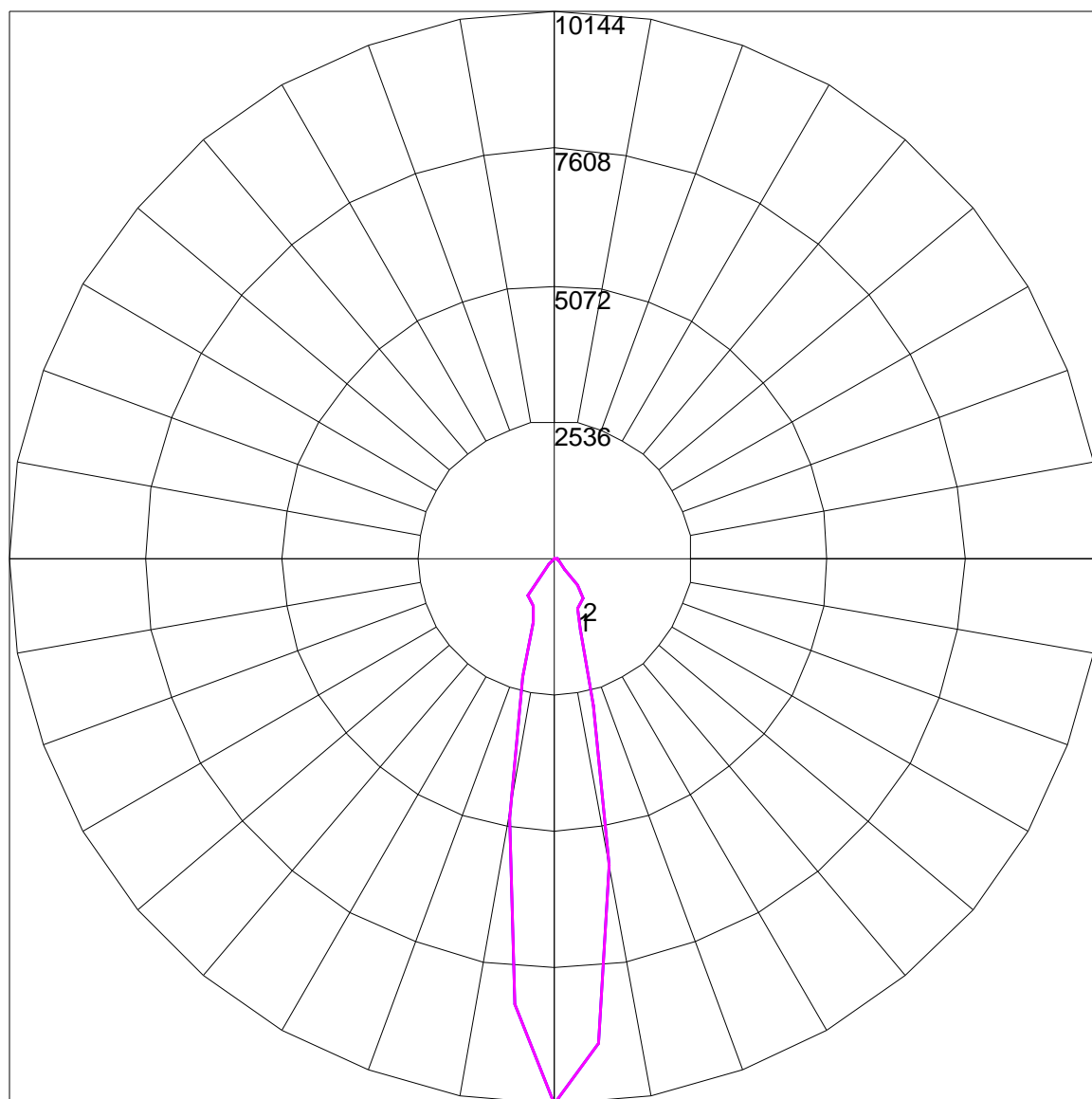
COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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

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POLAR GRAPH



Maximum Candela = 10144.12 Located At Horizontal Angle = 0, Vertical Angle = 0
1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)
2 - Vertical Plane Through Horizontal Angles (0 - 180)