

IES INDOOR REPORT**PHOTOMETRIC FILENAME : SP-00652_10 ~ C0812YKXT-30LXXK-WDEX-TSG-NL.IES****DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002
[TEST] SP-00652_10
[TESTLAB] VLS-245-981
[MANUFAC] Spectrum Lighting
[ISSUE DATE] 6/29/2017
[UPDATE] 3/30/2018
[LUMCAT] C0812YKXT-30L-xxK-WD-EX-TSG-NL
[LUMINAIRE] Nom.8" Diam. x 12" H Adjustable Yoke LED Cylinder Downlight
[OTHER] Upper, Internal Reflector, Wide Beam
[OTHER] Lower Trim, Semi-Diffuse, Clear Anodized Aluminum
[OTHER] No Lens
[OTHER] 44.8 Degree Beam Angle
[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	2577
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	79
Total Luminaire Watts	32.6
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	0.70
Spacing Criterion (90-270)	0.68
Spacing Criterion (Diagonal)	0.76
Basic Luminous Shape	Circular
Luminous Length (0-180)	0.68 ft (Diameter)
Luminous Width (90-270)	0.68 ft (Diameter)
Luminous Height	0.00 ft

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Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	3091	2533	2206
55	315	420	289
65	113	179	126
75	185	239	219
85	677	591	712

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	<u>0.0</u>	<u>22.5</u>	<u>45.0</u>	<u>67.5</u>	<u>90.0</u>
0	4033.652	4033.652	4033.652	4033.652	4033.652
5	3902.918	3925.144	3902.780	3904.413	3865.230
10	3537.789	3579.759	3542.801	3554.590	3466.952
15	2950.300	2999.444	2948.648	2976.239	2848.899
20	2282.738	2321.642	2268.775	2296.585	2185.284
25	1729.151	1752.539	1713.094	1730.832	1653.903
30	1291.721	1322.658	1289.662	1307.560	1222.606
35	798.536	835.226	790.906	811.873	713.727
40	308.749	345.681	309.955	328.355	262.442
45	72.730	72.464	59.600	65.687	51.916
50	23.798	23.804	22.173	22.627	19.675
55	6.005	7.639	8.011	7.083	5.515
60	1.599	2.565	2.715	2.465	2.490
65	1.590	1.508	2.513	1.957	1.775
70	1.815	1.526	1.383	2.065	1.562
75	1.592	1.699	2.055	1.574	1.888
80	1.758	2.146	1.888	1.499	2.153
85	1.962	1.760	1.715	2.263	2.065
90	2.351	0.691	2.011	0.691	1.866

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Zone	Lumens	%Lamp	%Fixt
0-20	1178.53	N.A.	45.70
0-30	1980.01	N.A.	76.80
0-40	2474.37	N.A.	96.00
0-60	2571.55	N.A.	99.80
0-80	2575.39	N.A.	99.90
0-90	2577.33	N.A.	100.00
10-90	2215.96	N.A.	86.00
20-40	1295.84	N.A.	50.30
20-50	1384.34	N.A.	53.70
40-70	99.15	N.A.	3.80
60-80	3.84	N.A.	0.10
70-80	1.87	N.A.	0.10
80-90	1.94	N.A.	0.10
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	2577.33	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	361.37
10-20	817.17
20-30	801.47
30-40	494.36
40-50	88.51
50-60	8.67
60-70	1.97
70-80	1.87
80-90	1.94
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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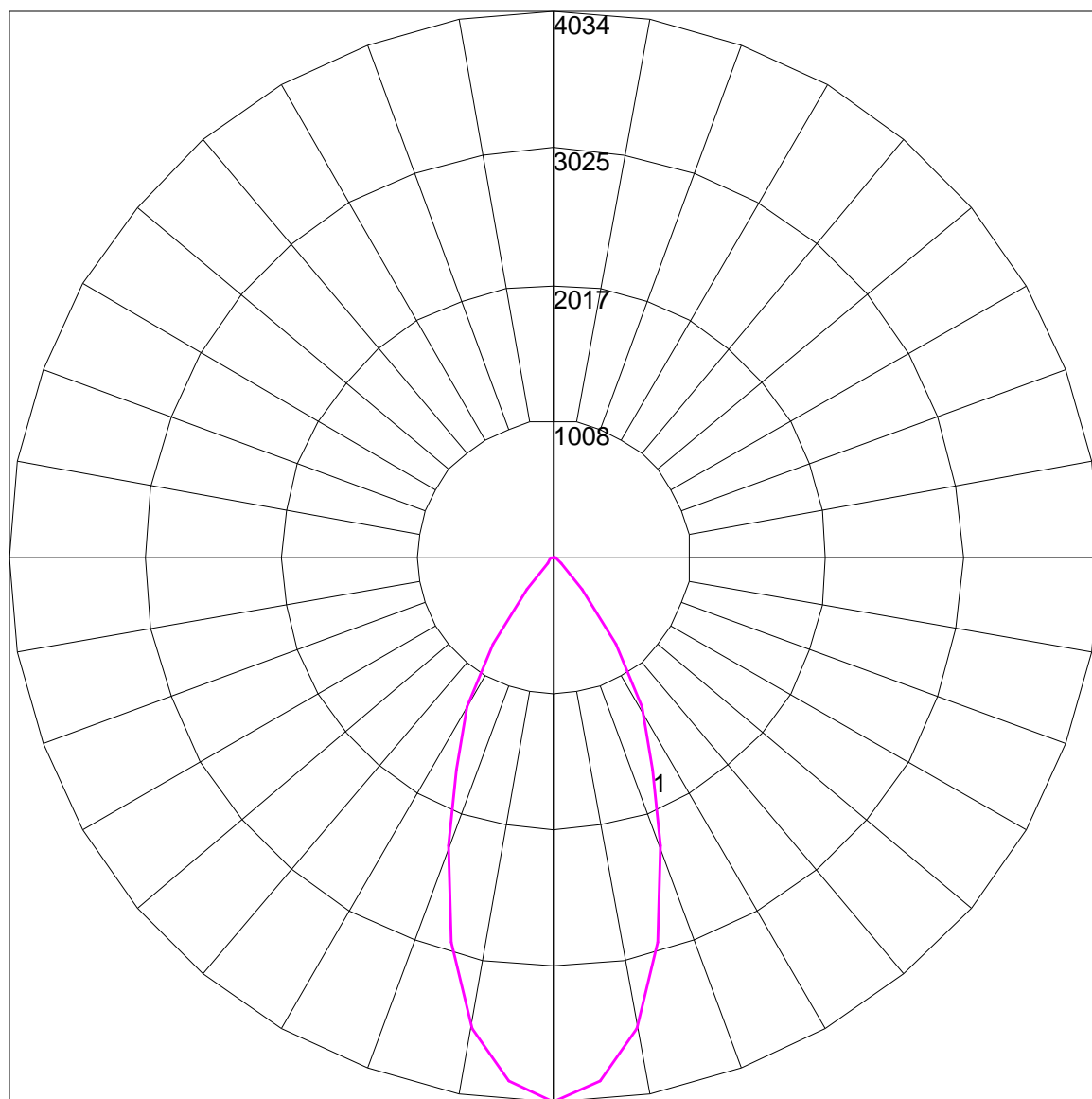
COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	107	111	109	107	105	105	103	102	101	100	99	98	97	96	94
2	109	104	100	97	106	102	99	96	99	96	94	96	94	92	93	92	90	88
3	104	98	93	89	102	96	92	89	94	90	87	91	88	86	89	87	84	83
4	99	92	87	83	97	91	86	82	89	84	81	87	83	80	85	82	79	78
5	94	86	81	77	93	86	80	77	84	79	76	82	78	75	81	77	75	73
6	90	82	76	72	89	81	76	72	79	75	71	78	74	71	77	73	70	69
7	86	77	72	68	85	77	71	67	75	71	67	74	70	67	73	69	66	65
8	82	73	68	64	81	73	67	64	72	67	63	71	66	63	70	66	63	62
9	79	69	64	60	77	69	64	60	68	63	60	67	63	60	66	62	60	58
10	75	66	61	57	74	66	60	57	65	60	57	64	60	57	63	59	56	55

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POLAR GRAPH



Maximum Candela = 4033.652 Located At Horizontal Angle = 0, Vertical Angle = 0
1 - Vertical Plane Through Horizontal Angles (0 - 180)