

IES INDOOR REPORT**PHOTOMETRIC FILENAME : SP-00652_16 ~ C0812YKXT-10LXXK-XWEX-TSG-FG.IES****DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002

[TEST] SP-00652_16_M-10L

[TESTLAB] VLS-245-981

[MANUFAC] Spectrum Lighting

[ISSUE DATE] 6/29/2017

[UPDATE] 4/2/2018

[LUMCAT] C0812YKXT-10L-xxK-XW-EX-TSG-FG

[LUMINAIRE] Nom.8" Diam. x 12" H Adjustable Yoke LED Cylinder Downlight

[OTHER] Upper Internal Reflector, Xtra Wide Beam

[OTHER] Lower Trim, Semi-Diffuse, Clear Anodized Aluminum

[OTHER] Frosted Glass Lens, Regressed in Lower Trim

[OTHER] 61.3 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, scaled from 30L

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	701
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	77
Total Luminaire Watts	9.1
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	0.92
Spacing Criterion (90-270)	0.90
Spacing Criterion (Diagonal)	0.96
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	4435	4556	4265
55	1203	1236	1172
65	43	35	50
75	61	41	56
85	130	142	143

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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	663.793	663.793	663.793	663.793	663.793
5	658.249	658.401	655.609	653.822	649.766
10	629.909	631.399	628.059	626.553	618.076
15	578.745	582.896	579.497	578.611	567.036
20	511.599	520.170	515.111	516.035	501.130
25	431.001	442.213	439.512	441.093	425.031
30	342.735	355.480	355.014	357.543	341.782
35	256.469	269.299	268.169	271.461	257.392
40	177.004	188.321	184.821	190.347	175.548
45	104.350	106.657	107.211	107.694	100.351
50	51.294	50.558	51.638	53.057	49.190
55	22.959	23.981	23.594	24.742	22.364
60	6.332	4.491	6.840	5.759	6.190
65	0.598	0.554	0.494	0.697	0.705
70	0.456	0.542	0.413	0.457	0.443
75	0.522	0.467	0.357	0.361	0.482
80	0.454	0.353	0.398	0.381	0.376
85	0.377	0.327	0.413	0.437	0.414
90	0.502	0.220	0.412	0.165	0.322

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Zone	Lumens	%Lamp	%Fixt
0-20	223.27	N.A.	31.80
0-30	423.15	N.A.	60.40
0-40	589.62	N.A.	84.10
0-60	698.45	N.A.	99.60
0-80	700.73	N.A.	99.90
0-90	701.13	N.A.	100.00
10-90	639.47	N.A.	91.20
20-40	366.34	N.A.	52.20
20-50	452.00	N.A.	64.50
40-70	110.67	N.A.	15.80
60-80	2.28	N.A.	0.30
70-80	0.45	N.A.	0.10
80-90	0.40	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	701.13	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	61.67
10-20	161.61
20-30	199.87
30-40	166.47
40-50	85.66
50-60	23.17
60-70	1.83
70-80	0.45
80-90	0.40
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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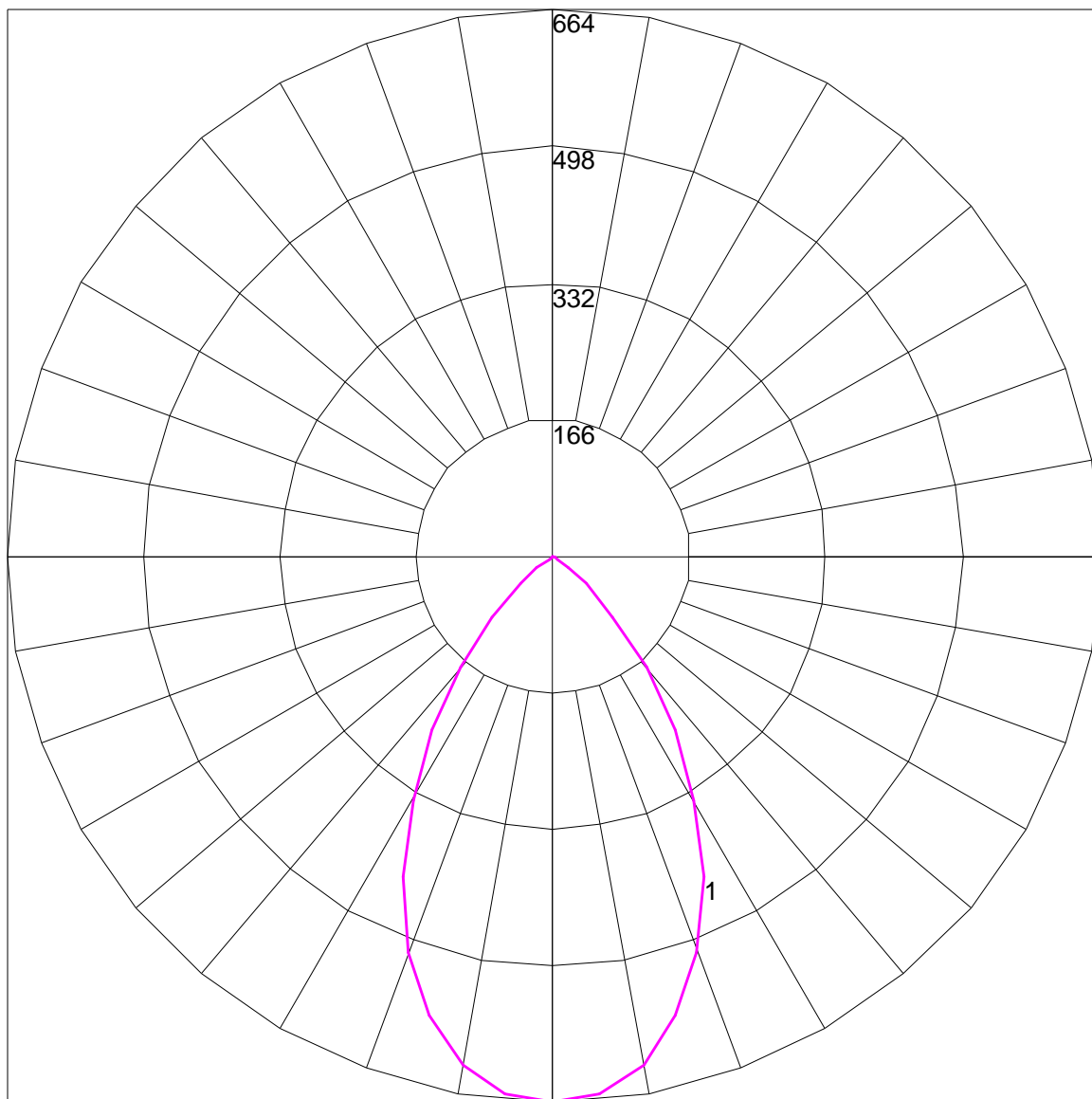
COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	113	110	108	105	111	108	106	103	104	102	100	100	99	97	97	96	94	93
2	107	102	97	94	105	100	96	93	97	93	91	94	91	89	91	89	87	85
3	101	94	89	84	99	93	88	84	90	86	82	87	84	81	85	82	80	78
4	95	87	81	77	93	86	80	76	84	79	75	82	78	74	80	76	73	72
5	90	81	74	70	88	80	74	70	78	73	69	76	72	68	75	71	68	66
6	85	75	69	64	83	74	68	64	73	67	63	71	67	63	70	66	63	61
7	80	70	64	59	79	69	63	59	68	63	59	67	62	58	66	61	58	56
8	76	66	59	55	75	65	59	55	64	58	54	63	58	54	62	57	54	52
9	72	62	55	51	71	61	55	51	60	54	51	59	54	50	58	54	50	49
10	68	58	52	47	67	57	51	47	57	51	47	56	51	47	55	50	47	46

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POLAR GRAPH



Maximum Candela = 663.793 Located At Horizontal Angle = 0, Vertical Angle = 0
1 - Vertical Plane Through Horizontal Angles (0 - 180)