

IES INDOOR REPORT
PHOTOMETRIC FILENAME : SP-00424_60 ~ C1320YKXT-80LXXK-NDEX-TSG-MW.IES
DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TEST] SP-00424_60

 [TESTLAB] Photopia 2015.1.1 see: www.ltioptics.com/ies

[MANUFAC] Spectrum Lighting

[ISSUE DATE] 4/29/2016

[UPDATE] 4/2/2018

[LUMCAT] C1320YKXT-80L-xxK-ND-EX-TSG-MW

[LUMINAIRE] Nom. 13" Diam. x 20" H Cylinder Downlight Pendant, Narrow Beam

[OTHER] Nom. 12" Diam. Spun Alum. Bezel, Semi-Diffuse Clear anodized finish

[OTHER] Matte Black regressed faceplate w/ (4) openings for LEDXT optics

[OTHER] Four (4) LEDXT Reflector modules per Luminaire

[OTHER] Photometric data applicable to C1320XT (pendant), C1320XT (wall mounted)

[OTHER] and C1320YKXT (yoke mounted) luminaires

[OTHER] 25 Degree Beam Angle, 56 Degree Field 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

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	7334
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	77
Total Luminaire Watts	94.8
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	0.42
Spacing Criterion (90-270)	0.42
Spacing Criterion (Diagonal)	0.42
Basic Luminous Shape	Circular
Luminous Length (0-180)	1.00 ft (Diameter)
Luminous Width (90-270)	1.00 ft (Diameter)
Luminous Height	0.00 ft

IES INDOOR REPORT**PHOTOMETRIC FILENAME : SP-00424_60 ~ C1320YKXT-80LXXK-NDEX-TSG-MW.IES****LUMINANCE DATA (cd/sq.m)**

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	2077	2207	1975
55	0	0	0
65	0	0	0
75	0	0	0
85	0	0	0

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CANDELA TABULATION

	<u>0</u>	<u>5</u>	<u>10</u>	<u>15</u>	<u>20</u>	<u>25</u>	<u>30</u>	<u>35</u>	<u>40</u>	<u>45</u>
0	27471.180	27471.180	27471.180	27471.180	27471.180	27471.180	27471.180	27471.180	27471.180	27471.180
5	23771.910	23521.510	23822.910	23668.301	23677.520	23657.070	23538.090	23786.760	23561.820	23617.439
10	17350.609	17552.660	17457.561	17407.939	17377.449	17387.070	17431.600	17469.240	17474.010	17439.381
15	9312.290	9232.160	9343.080	9276.190	9092.110	9368.200	9333.480	9300.280	9334.440	9243.980
20	4228.790	4178.940	4187.510	4169.440	4172.650	4206.280	4206.560	4219.920	4192.730	4235.260
25	2867.200	2913.300	2900.380	2860.910	2923.490	2899.850	2891.300	2937.220	2870.940	2880.410
30	2433.020	2398.530	2384.550	2418.450	2406.570	2351.670	2399.710	2363.920	2364.860	2393.730
35	1608.590	1597.580	1661.100	1611.540	1612.550	1578.720	1642.090	1640.130	1629.460	1618.440
40	683.160	673.110	683.790	677.640	688.430	681.800	685.350	709.360	669.210	682.160
45	107.280	112.550	113.790	111.240	124.900	113.440	116.870	111.360	117.590	113.990
50	0.710	1.660	0.590	1.780	1.540	1.780	1.300	1.780	1.420	1.660
55	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
60	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
65	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
70	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
75	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
80	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
85	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
90	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

Vert. Angles **Horizontal Angles**

	<u>50</u>	<u>55</u>	<u>60</u>	<u>65</u>	<u>70</u>	<u>75</u>	<u>80</u>	<u>85</u>	<u>90</u>
0	27471.180	27471.180	27471.180	27471.180	27471.180	27471.180	27471.180	27471.180	27471.180
5	23508.350	23614.100	23555.080	23553.230	23635.350	23513.939	23725.170	23457.369	23519.100
10	17625.570	17383.910	17437.211	17299.850	17434.051	17389.770	17446.891	17412.850	17483.990
15	9218.040	9252.140	9348.180	9330.630	9200.580	9186.670	9273.610	9372.630	9309.210
20	4175.600	4213.530	4179.500	4171.660	4219.930	4187.320	4184.250	4219.230	4180.280
25	2907.730	2925.740	2892.340	2884.730	2884.410	2922.090	2872.330	2873.970	2947.160
30	2404.150	2393.820	2357.920	2389.450	2379.670	2385.670	2387.710	2411.980	2414.300
35	1635.920	1641.660	1636.490	1629.400	1630.650	1613.940	1613.820	1619.230	1641.550
40	681.940	685.280	688.250	689.570	694.340	670.200	677.990	690.750	676.900
45	109.580	105.910	108.440	113.760	109.350	105.650	112.880	112.540	102.000
50	1.890	1.070	2.010	2.010	1.660	1.890	1.780	1.420	2.130
55	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.060	0.000
60	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
65	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
70	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
75	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
80	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
85	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
90	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

IES INDOOR REPORT**PHOTOMETRIC FILENAME : SP-00424_60 ~ C1320YKXT-80LXXK-NDEX-TSG-MW.IES****ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	4774.39	N.A.	65.10
0-30	6187.37	N.A.	84.40
0-40	7163.58	N.A.	97.70
0-60	7334.29	N.A.	100.00
0-80	7334.29	N.A.	100.00
0-90	7334.29	N.A.	100.00
10-90	5255.08	N.A.	71.70
20-40	2389.19	N.A.	32.60
20-50	2559.55	N.A.	34.90
40-70	170.71	N.A.	2.30
60-80	0.00	N.A.	0.00
70-80	0.00	N.A.	0.00
80-90	0.00	N.A.	0.00
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	7334.29	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	2079.21
10-20	2695.18
20-30	1412.98
30-40	976.20
40-50	170.36
50-60	0.35
60-70	0.00
70-80	0.00
80-90	0.00
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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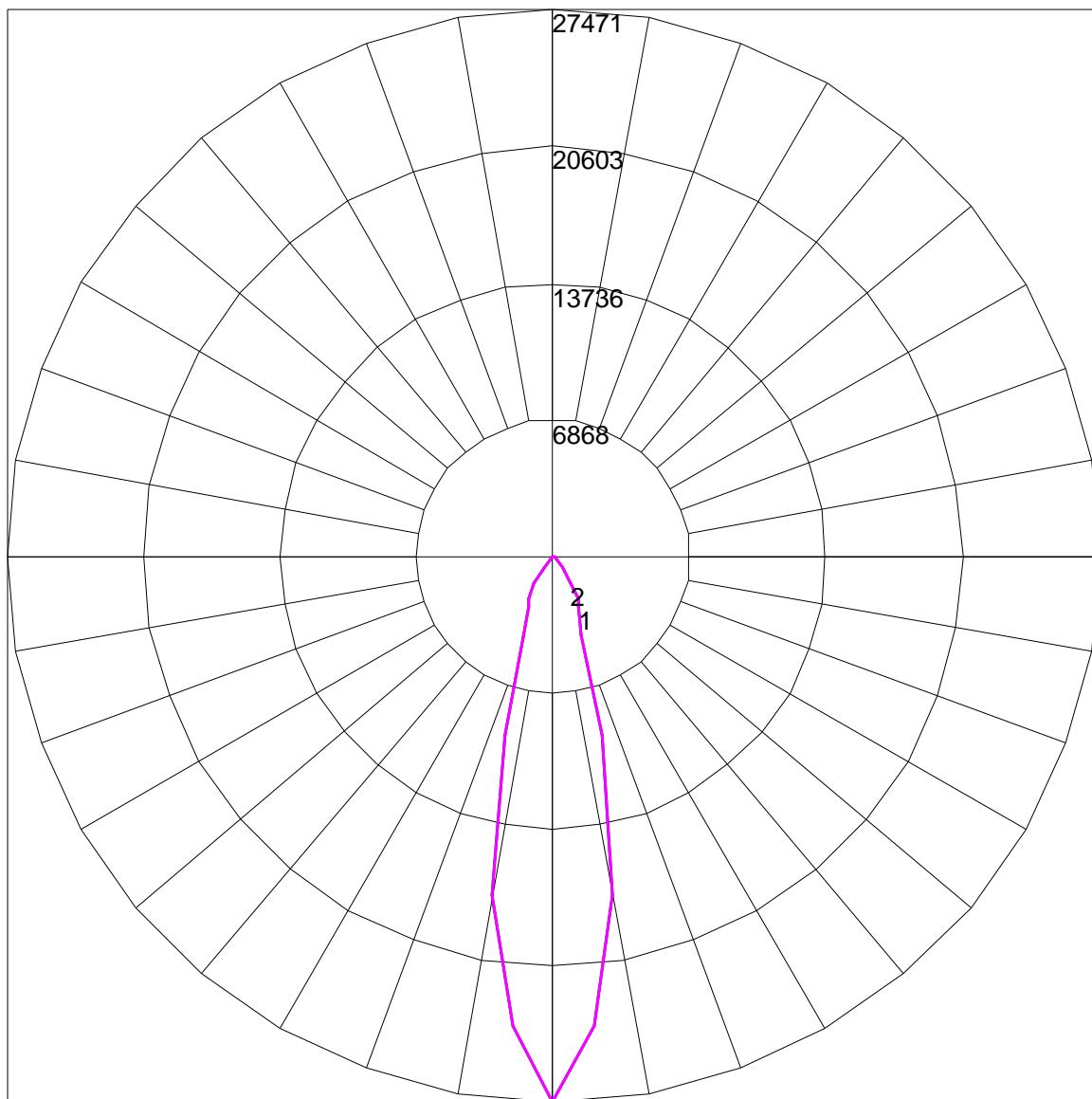
COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	115	112	110	108	112	110	108	107	106	105	103	102	101	100	99	98	97	96
2	110	106	103	100	108	105	102	99	101	99	97	98	97	95	96	94	93	91
3	106	101	97	94	104	99	96	93	97	94	91	95	92	90	92	90	89	87
4	102	96	92	88	100	95	91	88	93	89	87	91	88	86	89	87	85	83
5	98	92	87	84	97	91	86	83	89	85	82	88	84	82	86	83	81	80
6	95	88	83	80	94	87	83	79	86	82	79	84	81	78	83	80	78	77
7	92	84	79	76	90	84	79	76	82	78	75	81	78	75	80	77	75	74
8	88	81	76	73	87	80	76	73	79	75	72	78	75	72	78	74	72	71
9	86	78	73	70	85	77	73	70	77	73	70	76	72	70	75	72	69	68
10	83	75	71	67	82	75	70	67	74	70	67	73	70	67	73	69	67	66

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POLAR GRAPH



Maximum Candela = 27471.18 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)