

IES INDOOR REPORT**PHOTOMETRIC FILENAME : SP-00424_43 ~ C1320YKFSXT-200LXXK-NDEX-MBI.IES****DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002

[TEST] SP-00424_43_M-200L

[TESTLAB] Photopia 2017.2.1 see: www.ltiopics.com/ies

[MANUFAC] Spectrum Lighting

[ISSUEDATE] 8/16/2017

[UPDATE] 11/06/2017

[LUMCAT] C1320YKFSXT-200L-xxK-ND-EX-MBI

[LUMINAIRE] Nom. 15" Diam. x 25" H Cylinder Downlight, Yoke Mounted, Narrow Beam

[OTHER] Integral Flared 3" Matte Black (interior) Deep Snoot for Additional Cutoff

[OTHER] Nom. 13" Diam. Cylinder / Nom. 15" Diam Snoot Opening

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

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

[OTHER] 24.8 Degree Beam Angle, 52 Degree Field Angle

[LAMPCAT] LED 5000lm

[LAMP] N/A, 19mm

[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	17904
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	86
Total Luminaire Watts	207
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)	1.25 ft (Diameter)
Luminous Width (90-270)	1.25 ft (Diameter)
Luminous Height	0.00 ft

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Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	1379	1396	1458
55	0	0	0
65	0	0	0
75	0	0	0
85	0	0	0

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	0	5	10	15	20	25	30	35	40	45
0	70272.88370272.88370272.88370272.88370272.88370272.88370272.88370272.88370272.88370272.88370272.883									
5	60723.98861267.17260285.60260975.39860822.57861173.09060269.39160481.89161207.09060977.871									
10	45408.60944667.28145192.39844705.10944973.32045387.14144915.05144805.51244639.12945251.551									
15	23804.60024092.96124053.22124091.51023928.02024054.61923872.18023746.72123813.60923756.551									
20	10640.77010800.92010741.72011001.35010796.73010838.31010926.52010679.14010845.33010766.190									
25	7479.090 7271.330 7505.280 7541.220 7384.090 7317.090 7427.950 7520.720 7630.840 7350.880									
30	5211.480 5090.650 5032.600 5215.500 5232.940 5351.580 5421.420 5747.070 5914.090 5962.360									
35	3110.270 3032.480 3123.660 3153.100 2975.150 2932.950 2770.060 2519.550 2408.540 2301.650									
40	1239.510 1258.310 1173.070 1071.800 921.860 796.850 757.980 777.340 802.330 768.750									
45	111.280 111.410 106.830 127.080 121.620 112.160 113.330 125.460 118.650 112.660									
50	0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000									
55	0.000 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 0.000									
65	0.000 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 0.000									
75	0.000 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 0.000									
85	0.000 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 0.000									

[illegible]

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Zone	Lumens	%Lamp	%Fixt
0-20	12285.92	N.A.	68.60
0-30	15836.33	N.A.	88.40
0-40	17684.4	N.A.	98.80
0-60	17904.35	N.A.	100.00
0-80	17904.36	N.A.	100.00
0-90	17904.35	N.A.	100.00
10-90	12556.31	N.A.	70.10
20-40	5398.49	N.A.	30.20
20-50	5618.43	N.A.	31.40
40-70	219.95	N.A.	1.20
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	17904.35	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	5348.05
10-20	6937.87
20-30	3550.42
30-40	1848.07
40-50	219.94
50-60	0.01
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

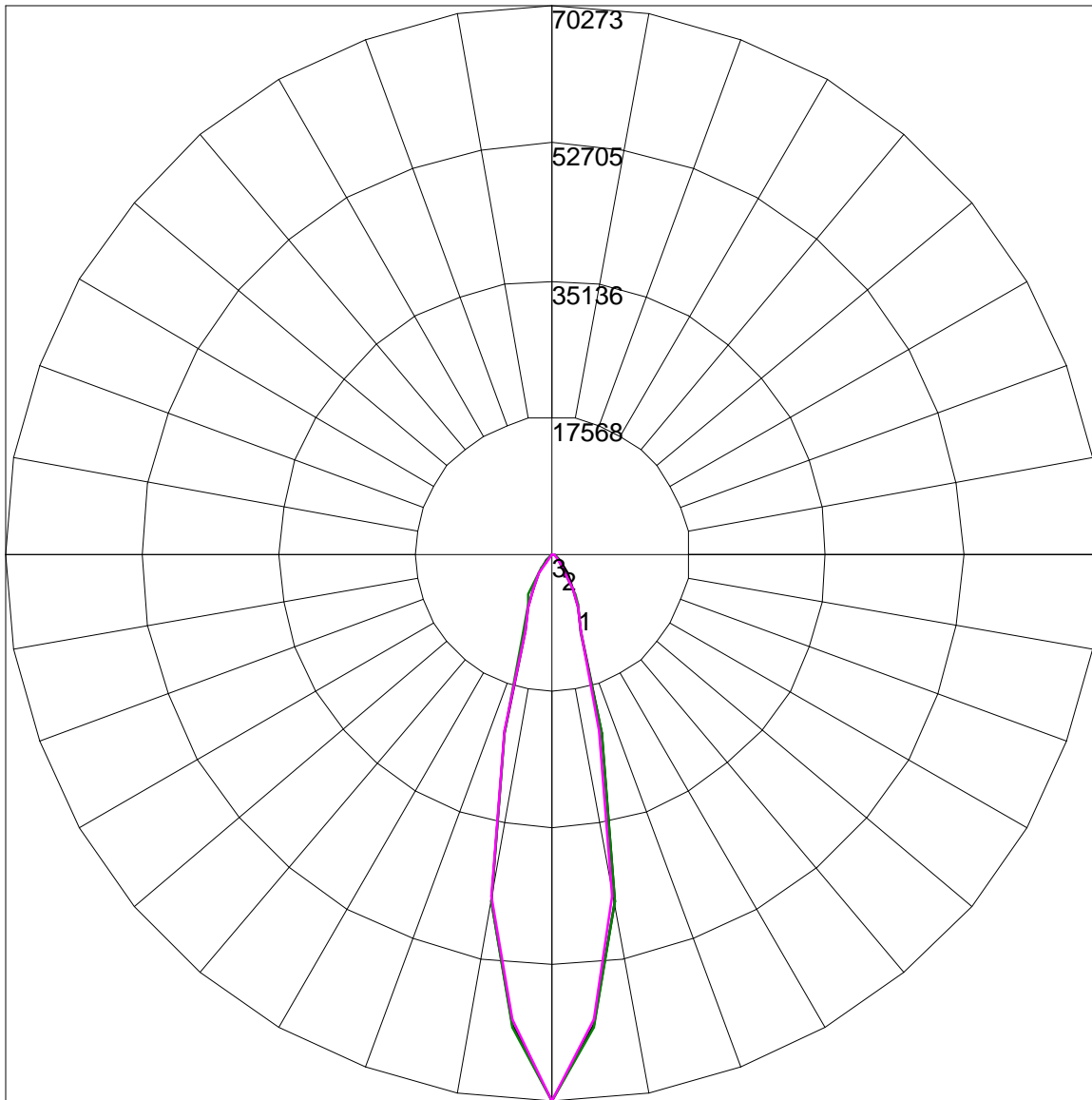
Effective Floor Cavity Reflectance 0.20

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	109	112	110	109	107	106	105	104	103	102	101	99	98	98	96
2	111	107	103	101	108	105	102	100	102	100	97	99	97	95	96	95	93	92
3	107	102	98	95	105	100	97	94	98	95	92	95	93	91	93	91	90	88
4	103	97	93	89	101	96	92	89	94	91	88	92	89	87	90	88	86	85
5	99	93	88	85	98	92	88	85	90	87	84	89	86	83	87	85	83	81
6	96	89	84	81	95	88	84	81	87	83	80	86	82	80	85	82	79	78
7	93	86	81	78	92	85	81	78	84	80	77	83	79	77	82	79	77	75
8	90	83	78	75	89	82	78	75	81	77	74	80	77	74	79	76	74	73
9	87	80	75	72	86	79	75	72	78	74	72	78	74	72	77	74	71	70
10	84	77	73	70	84	77	72	70	76	72	69	75	72	69	75	71	69	68

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POLAR GRAPH



Maximum Candela = 70272.883 Located At Horizontal Angle = 0, Vertical Angle = 0

1 - Vertical Plane Through Horizontal Angles (0 - 180)

2 - Vertical Plane Through Horizontal Angles (45 - 225)

3 - Vertical Plane Through Horizontal Angles (90 - 270)