

Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-State
Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

(formerly Eaton)

Brand: CORELITE

Report Number: P275030

Luminaire Tested: **J3-CL-50L82765-1D-UNV-W2A-W-4 (6500K)**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P275030
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1707-177-16)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: J3-CL-50L82765-1D-UNV-W2A-W-4 (6500K)
Description: JAYLUM J3 SUSPENDED LED LUMINAIRE, FROSTED LENS, CLEAR TOP.
2700K-6500K CCT VividTune LIGHT ENGINE.
Light Source: (336) 2700K-6500K CCT, 80 CRI LEDS, TUNED TO 6500K CCT.
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5014.9 lumens
Efficiency: N/A
Efficacy: 135.2 lumens/watt
Spacing Criteria (0/90/45): 1.31 / 1.33 / 1.46
Luminous Opening: Rectangular (W 0.33' x L: 4' x H: 0')
CIE Type: Semi-Indirect

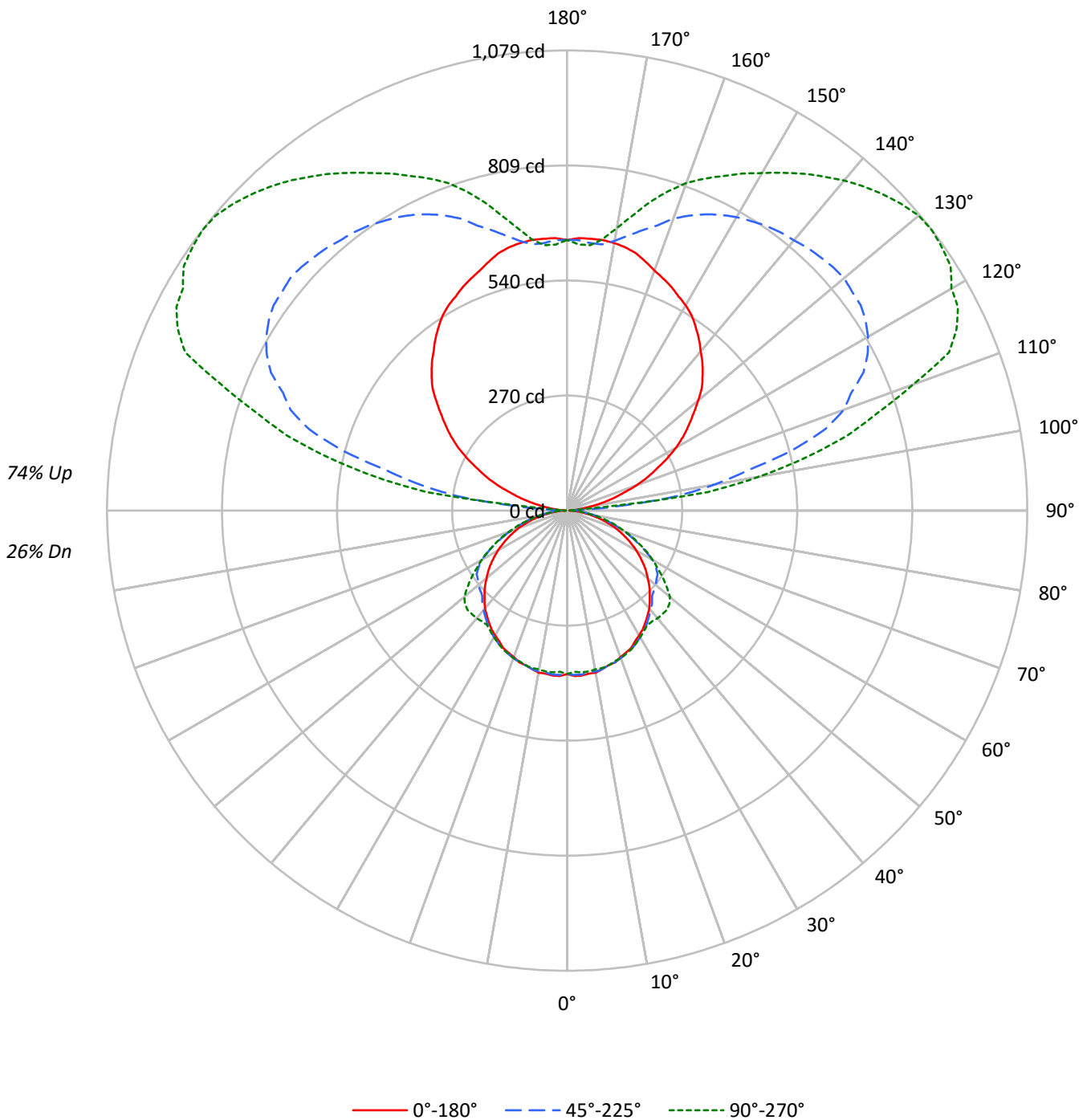
Input Watts (W): 37.1
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				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
RCR																		
0	101	101	101	101	90	90	90	90	70	70	70	51	51	51	34	34	34	26
1	92	88	84	80	82	78	75	72	61	58	56	44	43	42	29	28	28	21
2	84	76	70	65	74	68	63	59	53	49	46	38	36	34	25	24	23	17
3	76	67	60	54	67	60	54	49	46	42	38	34	31	29	22	21	19	14
4	69	59	51	45	61	53	46	41	41	36	32	30	27	24	20	18	16	12
5	63	52	44	38	56	47	40	35	36	31	28	27	23	21	18	16	14	10
6	58	46	39	33	52	42	35	30	32	28	24	24	21	18	16	14	12	9
7	54	42	34	29	48	37	31	26	29	24	21	22	18	16	14	12	11	8
8	50	38	30	25	44	34	27	23	26	22	18	20	16	14	13	11	9	7
9	46	34	27	22	41	31	24	20	24	19	16	18	15	12	12	10	8	6
10	43	31	24	19	38	28	22	18	22	17	14	16	13	11	11	9	8	6

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	3094	3094	3094
5°	3147	3126	3085
10°	3163	3141	3100
15°	3139	3139	3139
20°	3140	3162	3162
25°	3165	3188	3188
30°	3147	3194	3194
35°	3152	3202	3227
40°	3156	3210	3477
45°	3129	3216	3766
50°	3092	3411	3952
55°	3073	3644	3858
60°	3032	3730	3730
65°	2957	3540	3587
70°	2875	3354	3415
75°	2692	3166	3247
80°	2478	3068	2952
85°	2353	3288	2825



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	36.6	0.7
10°-20°	106.1	2.1
20°-30°	163.9	3.3
30°-40°	203.3	4.1
40°-50°	227.5	4.5
50°-60°	222.3	4.4
60°-70°	175.4	3.5
70°-80°	106.2	2.1
80°-90°	37.8	0.8
90°-100°	130.3	2.6
100°-110°	503.7	10.0
110°-120°	692.3	13.8
120°-130°	700.4	14.0
130°-140°	620.7	12.4
140°-150°	490.9	9.8
150°-160°	342.8	6.8
160°-170°	194.0	3.9
170°-180°	60.8	1.2
0°-30°	306.5	6.1
0°-40°	509.9	10.2
0°-60°	959.7	19.1
0°-90°	1279.1	25.5
90°-120°	1326.3	26.4
90°-150°	3138.2	62.6
90°-180°	3736.0	74.5
0°-180°	5014.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	383	383	383	383	383	
5°	388	383	386	383	381	37
15°	376	373	376	376	376	106
25°	355	350	358	358	358	163
35°	320	320	325	327	327	200
45°	274	277	282	317	330	211
55°	218	221	259	274	274	195
65°	155	162	185	188	188	153
75°	86	102	102	104	104	91
85°	25	41	36	33	30	27
90°	5	15	13	2	2	5
95°	20	102	122	25	25	25
105°	112	360	546	629	680	119
115°	231	487	766	949	1008	230
125°	348	564	840	1023	1074	311
135°	449	619	840	1005	1048	346
145°	525	634	815	934	964	329
155°	579	619	766	850	866	267
165°	624	622	680	739	749	176
175°	640	632	629	629	624	61
180°	634	634	634	634	634	



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CATALOG NUMBER: J3-CL-50L82765-1D-UNV-W2A-W-4 (6500K)

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	383.2	383.2	383.2	383.2	383.2
2.5°	388.3	383.2	385.8	383.2	378.2
5°	388.3	383.2	385.8	383.2	380.7
7.5°	385.8	383.2	383.2	380.7	380.7
10°	385.8	380.7	383.2	380.7	378.2
12.5°	380.7	378.2	380.7	378.2	378.2
15°	375.6	373.1	375.6	375.6	375.6
17.5°	373.1	368.0	373.1	373.1	370.6
20°	365.5	362.9	368.0	368.0	368.0
22.5°	360.4	357.9	362.9	362.9	362.9
25°	355.3	350.3	357.9	357.9	357.9
27.5°	345.2	345.2	350.3	352.8	350.3
30°	337.6	335.0	342.6	345.2	342.6
32.5°	329.9	327.4	335.0	337.6	335.0
35°	319.8	319.8	324.9	327.4	327.4
37.5°	309.6	309.6	314.7	317.3	327.4
40°	299.5	299.5	304.6	319.8	329.9
42.5°	286.8	286.8	294.4	317.3	329.9
45°	274.1	276.6	281.7	317.3	329.9
47.5°	261.4	264.0	276.6	314.7	324.9
50°	246.2	251.3	271.6	307.1	314.7
52.5°	233.5	236.0	264.0	294.4	294.4
55°	218.3	220.8	258.9	274.1	274.1
57.5°	203.0	205.6	246.2	251.3	251.3
60°	187.8	190.4	231.0	231.0	231.0
62.5°	170.1	175.1	208.1	210.7	210.7
65°	154.8	162.4	185.3	187.8	187.8
67.5°	137.1	149.7	165.0	167.5	167.5
70°	121.8	137.1	142.1	144.7	144.7
72.5°	104.1	119.3	121.8	124.4	124.4
75°	86.3	101.5	101.5	104.1	104.1
77.5°	68.5	81.2	83.8	83.8	83.8
80°	53.3	60.9	66.0	63.5	63.5
82.5°	38.1	48.2	48.2	48.2	45.7
85°	25.4	40.6	35.5	33.0	30.5
87.5°	15.2	35.5	20.3	17.8	17.8
90°	5.1	15.2	12.7	2.5	2.5
92.5°	10.2	25.4	12.7	10.2	7.6
95°	20.3	101.5	121.8	25.4	25.4
97.5°	38.1	170.1	261.4	309.6	332.5
100°	58.4	253.8	350.3	428.9	456.9
102.5°	83.8	307.1	431.5	530.5	571.1
105°	111.7	360.4	545.7	629.4	680.2
107.5°	139.6	401.0	634.5	728.4	764.0
110°	172.6	434.0	690.4	852.8	862.9



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	203.0	459.4	720.8	913.7	969.5
115°	231.0	487.3	766.5	949.2	1007.6
117.5°	264.0	507.6	794.4	969.5	1033.0
120°	294.4	525.4	814.7	994.9	1040.6
122.5°	322.3	545.7	829.9	1015.2	1066.0
125°	347.7	563.5	840.1	1022.8	1073.6
127.5°	373.1	578.7	842.6	1025.4	1078.7
130°	401.0	593.9	847.7	1022.8	1076.1
132.5°	428.9	609.1	845.2	1015.2	1063.5
135°	449.2	619.3	840.1	1005.1	1048.2
137.5°	469.5	626.9	835.0	989.8	1030.5
140°	487.3	632.0	827.4	972.1	1010.2
142.5°	507.6	634.5	822.3	954.3	987.3
145°	525.4	634.5	814.7	934.0	964.5
147.5°	543.1	632.0	804.6	913.7	939.1
150°	555.8	626.9	794.4	893.4	913.7
152.5°	566.0	621.8	781.7	870.6	890.9
155°	578.7	619.3	766.5	850.3	865.5
157.5°	588.8	619.3	748.7	827.4	842.6
160°	599.0	619.3	728.4	804.6	817.3
162.5°	611.7	619.3	700.5	771.6	784.3
165°	624.4	621.8	680.2	738.6	748.7
167.5°	632.0	621.8	659.9	698.0	708.1
170°	637.1	626.9	642.1	670.0	672.6
172.5°	639.6	632.0	629.4	642.1	642.1
175°	639.6	632.0	629.4	629.4	624.4
177.5°	639.6	634.5	634.5	632.0	624.4
180°	634.5	634.5	634.5	634.5	634.5

(END OF REPORT)