

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: P253478

Luminaire Tested: **J3-CL-40L93050-1D-UNV-W2A-W-4 (3500K)**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P253478
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-40L93050-1D-UNV-W2A-W-4 (3500K)
Description: JAYLUM J3 SUSPENDED LED LUMINAIRE, FROSTED LENS, CLEAR TOP.
3000K-5000K CCT VividTune LIGHT ENGINE.
Light Source: (336) 3000K-5000K CCT, 90 CRI LEDS, TUNED TO 3500K CCT.
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3265.8 lumens
Efficiency: N/A
Efficacy: 115.0 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

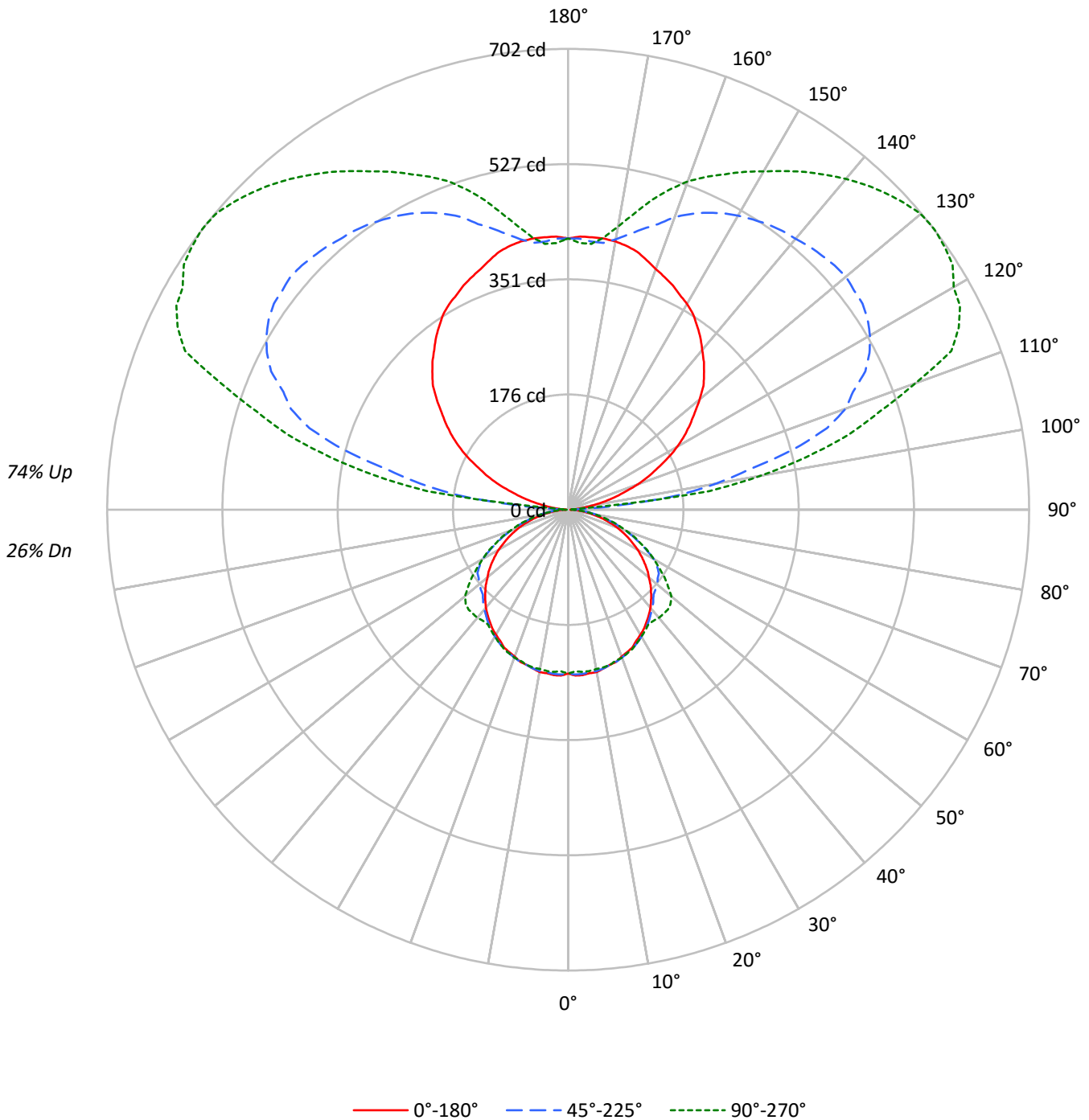
Input Watts (W): 28.4
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	2015	2015	2015
5°	2049	2036	2009
10°	2059	2046	2019
15°	2044	2044	2044
20°	2045	2059	2059
25°	2061	2076	2076
30°	2049	2080	2080
35°	2053	2085	2101
40°	2055	2090	2265
45°	2038	2095	2453
50°	2013	2222	2575
55°	2000	2373	2512
60°	1975	2428	2428
65°	1926	2306	2336
70°	1872	2186	2223
75°	1753	2062	2115
80°	1613	1999	1920
85°	1528	2140	1834



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	23.8	0.7
10°-20°	69.1	2.1
20°-30°	106.8	3.3
30°-40°	132.4	4.1
40°-50°	148.2	4.5
50°-60°	144.8	4.4
60°-70°	114.2	3.5
70°-80°	69.1	2.1
80°-90°	24.6	0.8
90°-100°	84.8	2.6
100°-110°	328.1	10.0
110°-120°	450.8	13.8
120°-130°	456.1	14.0
130°-140°	404.2	12.4
140°-150°	319.7	9.8
150°-160°	223.2	6.8
160°-170°	126.3	3.9
170°-180°	39.6	1.2
0°-30°	199.6	6.1
0°-40°	332.1	10.2
0°-60°	625.0	19.1
0°-90°	833.0	25.5
90°-120°	863.7	26.4
90°-150°	2043.7	62.6
90°-180°	2433.0	74.5
0°-180°	3265.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	250	250	250	250	250	
5°	253	250	251	250	248	24
15°	245	243	245	245	245	69
25°	231	228	233	233	233	106
35°	208	208	212	213	213	130
45°	178	180	184	207	215	138
55°	142	144	169	178	178	127
65°	101	106	121	122	122	99
75°	56	66	66	68	68	59
85°	16	26	23	22	20	17
90°	3	10	8	2	2	3
95°	13	66	79	16	16	16
105°	73	235	355	410	443	77
115°	150	317	499	618	656	150
125°	226	367	547	666	699	203
135°	293	403	547	654	683	225
145°	342	413	531	608	628	214
155°	377	403	499	554	564	174
165°	407	405	443	481	488	114
175°	416	412	410	410	407	40
180°	413	413	413	413	413	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	249.6	249.6	249.6	249.6	249.6
2.5°	252.9	249.6	251.2	249.6	246.3
5°	252.9	249.6	251.2	249.6	247.9
7.5°	251.2	249.6	249.6	247.9	247.9
10°	251.2	247.9	249.6	247.9	246.3
12.5°	247.9	246.3	247.9	246.3	246.3
15°	244.6	243.0	244.6	244.6	244.6
17.5°	243.0	239.7	243.0	243.0	241.3
20°	238.0	236.4	239.7	239.7	239.7
22.5°	234.7	233.1	236.4	236.4	236.4
25°	231.4	228.1	233.1	233.1	233.1
27.5°	224.8	224.8	228.1	229.7	228.1
30°	219.8	218.2	223.1	224.8	223.1
32.5°	214.9	213.2	218.2	219.8	218.2
35°	208.3	208.3	211.6	213.2	213.2
37.5°	201.7	201.7	205.0	206.6	213.2
40°	195.0	195.0	198.3	208.3	214.9
42.5°	186.8	186.8	191.7	206.6	214.9
45°	178.5	180.2	183.5	206.6	214.9
47.5°	170.2	171.9	180.2	205.0	211.6
50°	160.3	163.6	176.9	200.0	205.0
52.5°	152.1	153.7	171.9	191.7	191.7
55°	142.1	143.8	168.6	178.5	178.5
57.5°	132.2	133.9	160.3	163.6	163.6
60°	122.3	124.0	150.4	150.4	150.4
62.5°	110.7	114.0	135.5	137.2	137.2
65°	100.8	105.8	120.7	122.3	122.3
67.5°	89.3	97.5	107.4	109.1	109.1
70°	79.3	89.3	92.6	94.2	94.2
72.5°	67.8	77.7	79.3	81.0	81.0
75°	56.2	66.1	66.1	67.8	67.8
77.5°	44.6	52.9	54.5	54.5	54.5
80°	34.7	39.7	43.0	41.3	41.3
82.5°	24.8	31.4	31.4	31.4	29.8
85°	16.5	26.4	23.1	21.5	19.8
87.5°	9.9	23.1	13.2	11.6	11.6
90°	3.3	9.9	8.3	1.7	1.7
92.5°	6.6	16.5	8.3	6.6	5.0
95°	13.2	66.1	79.3	16.5	16.5
97.5°	24.8	110.7	170.2	201.7	216.5
100°	38.0	165.3	228.1	279.3	297.5
102.5°	54.5	200.0	281.0	345.4	371.9
105°	72.7	234.7	355.4	409.9	443.0
107.5°	90.9	261.2	413.2	474.4	497.5
110°	112.4	282.6	449.6	555.4	562.0



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	132.2	299.2	469.4	595.0	631.4
115°	150.4	317.4	499.2	618.2	656.2
117.5°	171.9	330.6	517.3	631.4	672.7
120°	191.7	342.1	530.6	647.9	677.7
122.5°	209.9	355.4	540.5	661.1	694.2
125°	226.4	366.9	547.1	666.1	699.2
127.5°	243.0	376.9	548.8	667.8	702.5
130°	261.2	386.8	552.1	666.1	700.8
132.5°	279.3	396.7	550.4	661.1	692.6
135°	292.6	403.3	547.1	654.5	682.6
137.5°	305.8	408.3	543.8	644.6	671.1
140°	317.4	411.6	538.8	633.0	657.8
142.5°	330.6	413.2	535.5	621.5	643.0
145°	342.1	413.2	530.6	608.3	628.1
147.5°	353.7	411.6	524.0	595.0	611.6
150°	362.0	408.3	517.3	581.8	595.0
152.5°	368.6	405.0	509.1	566.9	580.2
155°	376.9	403.3	499.2	553.7	563.6
157.5°	383.5	403.3	487.6	538.8	548.8
160°	390.1	403.3	474.4	524.0	532.2
162.5°	398.3	403.3	456.2	502.5	510.7
165°	406.6	405.0	443.0	481.0	487.6
167.5°	411.6	405.0	429.7	454.5	461.2
170°	414.9	408.3	418.2	436.4	438.0
172.5°	416.5	411.6	409.9	418.2	418.2
175°	416.5	411.6	409.9	409.9	406.6
177.5°	416.5	413.2	413.2	411.6	406.6
180°	413.2	413.2	413.2	413.2	413.2

(END OF REPORT)