

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: P253583

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P253583
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1805-784-16)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: J3-UL-40L93050-1D-UNV-W2A-W-4 (3500K)
Description: JAYLUM J3 SUSPENDED LED LUMINAIRE, FROSTED LENS, OPEN 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: 3409.8 lumens
Efficiency: N/A
Efficacy: 120.1 lumens/watt
Spacing Criteria (0/90/45): 1.28 / 1.37 / 1.44
Luminous Opening: Rectangular (W 0.33' x L: 4' x H: 0')
CIE Type: Semi-Indirect

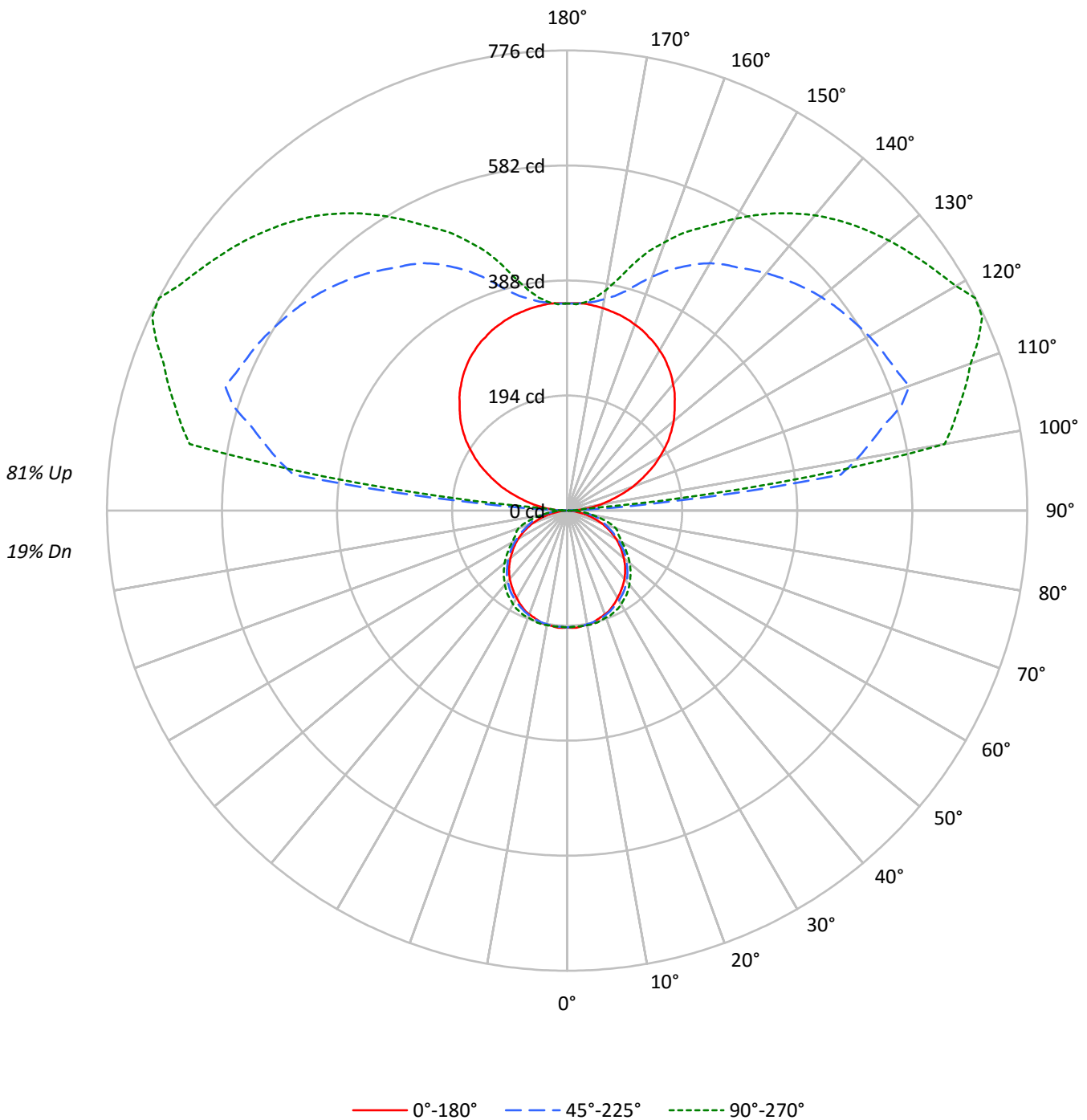
Input Watts (W): 28.4
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	50	30	10	0	
RCR																						
0	100	100	100	100	88	88	88	88	66	66	66	46	46	46	28	28	28	19				
1	91	86	83	79	80	76	73	70	57	55	53	40	39	38	24	23	23	15				
2	82	75	69	64	72	66	61	57	50	47	44	35	33	31	21	20	19	13				
3	75	66	59	53	66	58	52	47	44	40	37	31	28	26	18	17	16	10				
4	68	58	50	45	60	51	45	40	39	34	31	27	24	22	16	15	13	9				
5	62	51	44	38	55	45	39	34	34	30	26	24	21	19	14	13	12	8				
6	57	46	38	32	50	41	34	29	31	26	23	22	19	16	13	11	10	7				
7	53	41	33	28	46	36	30	25	28	23	20	20	16	14	12	10	9	6				
8	49	37	30	25	43	33	27	22	25	21	17	18	15	13	11	9	8	5				
9	45	34	26	22	40	30	24	19	23	18	15	16	13	11	10	8	7	5				
10	42	31	24	19	37	27	21	17	21	17	14	15	12	10	9	7	6	4				

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1591	1591	1591
5°	1605	1591	1591
10°	1602	1595	1609
15°	1598	1605	1633
20°	1599	1613	1649
25°	1597	1619	1680
30°	1584	1631	1703
35°	1583	1641	1717
40°	1585	1639	1720
45°	1581	1639	1727
50°	1569	1633	1729
55°	1555	1627	1723
60°	1537	1605	1729
65°	1494	1591	1819
70°	1445	1605	2065
75°	1326	1828	2093
80°	1144	1855	2013
85°	861	2047	2279



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	18.7	0.5
10°-20°	54.5	1.6
20°-30°	84.4	2.5
30°-40°	104.4	3.1
40°-50°	111.4	3.3
50°-60°	103.8	3.0
60°-70°	84.7	2.5
70°-80°	58.3	1.7
80°-90°	22.8	0.7
90°-100°	198.5	5.8
100°-110°	514.6	15.1
110°-120°	533.9	15.7
120°-130°	475.1	13.9
130°-140°	395.9	11.6
140°-150°	301.5	8.8
150°-160°	203.1	6.0
160°-170°	110.2	3.2
170°-180°	33.9	1.0
0°-30°	157.7	4.6
0°-40°	262.1	7.7
0°-60°	477.3	14.0
0°-90°	643.1	18.9
90°-120°	1247.0	36.6
90°-150°	2419.5	71.0
90°-180°	2767.0	81.1
0°-180°	3409.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	197	197	197	197	197	
5°	198	198	196	196	196	19
15°	191	192	192	195	195	54
25°	179	179	182	187	189	83
35°	161	162	166	172	174	101
45°	138	140	144	149	151	107
55°	110	113	116	119	122	99
65°	78	80	83	91	95	77
75°	42	45	59	65	67	45
85°	9	18	22	26	25	11
90°	2	2	2	2	2	3
95°	29	224	172	28	27	29
105°	84	356	552	654	685	90
115°	149	368	599	748	772	148
125°	209	376	574	697	732	186
135°	257	387	542	648	682	198
145°	297	380	500	583	612	186
155°	324	363	453	511	525	150
165°	342	353	383	419	430	96
175°	350	352	352	354	353	33
180°	349	349	349	349	349	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	197.1	197.1	197.1	197.1	197.1
2.5°	198.0	198.0	196.3	196.3	196.3
5°	198.0	198.0	196.3	196.3	196.3
7.5°	196.3	197.1	196.3	196.3	196.3
10°	195.4	195.4	194.6	195.4	196.3
12.5°	194.6	194.6	193.7	195.4	196.3
15°	191.2	192.0	192.0	194.6	195.4
17.5°	188.6	189.5	190.3	192.9	193.7
20°	186.1	186.1	187.8	191.2	192.0
22.5°	183.5	183.5	185.2	189.5	191.2
25°	179.3	179.3	181.8	186.9	188.6
27.5°	175.0	175.9	178.4	183.5	186.1
30°	169.9	171.6	175.0	180.1	182.7
32.5°	165.7	167.4	170.8	175.9	177.6
35°	160.6	162.3	166.5	171.6	174.2
37.5°	155.5	157.2	161.5	166.5	169.1
40°	150.4	152.1	155.5	161.5	163.2
42.5°	144.5	146.2	150.4	155.5	157.2
45°	138.5	140.2	143.6	148.7	151.3
47.5°	131.7	134.3	136.8	141.9	144.5
50°	124.9	127.5	130.0	135.1	137.7
52.5°	117.3	120.7	123.2	127.5	130.0
55°	110.5	113.0	115.6	119.0	122.4
57.5°	102.8	105.4	107.9	112.2	114.7
60°	95.2	96.9	99.4	103.7	107.1
62.5°	86.7	89.2	90.9	96.0	101.1
65°	78.2	79.9	83.3	90.9	95.2
67.5°	69.7	71.4	74.8	85.8	92.6
70°	61.2	62.9	68.0	83.3	87.5
72.5°	51.0	53.5	62.0	76.5	78.2
75°	42.5	45.0	58.6	65.4	67.1
77.5°	33.1	36.5	50.1	54.4	55.2
80°	24.6	30.6	39.9	43.3	43.3
82.5°	16.1	25.5	30.6	34.0	34.0
85°	9.3	17.8	22.1	25.5	24.6
87.5°	5.9	11.9	17.0	19.5	18.7
90°	1.7	1.7	1.7	1.7	1.7
92.5°	16.1	45.0	13.6	12.7	12.7
95°	28.9	224.3	172.5	28.0	27.2
97.5°	40.8	273.6	465.7	549.8	356.9
100°	55.2	325.5	495.4	612.7	646.7
102.5°	68.8	347.5	522.6	629.7	666.2
105°	84.1	356.0	552.3	654.3	684.9
107.5°	101.1	361.1	591.4	674.7	705.3
110°	118.1	363.7	613.5	701.9	724.0



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	133.4	365.4	605.0	729.9	750.3
115°	148.7	367.9	599.1	747.8	772.4
117.5°	165.7	369.6	594.0	730.8	775.8
120°	180.1	372.2	588.0	718.9	757.1
122.5°	194.6	374.7	581.2	707.8	744.4
125°	209.0	376.4	574.4	696.8	732.5
127.5°	221.8	378.1	567.6	684.9	720.6
130°	234.5	383.2	560.0	673.8	708.7
132.5°	245.6	386.6	551.5	660.3	695.1
135°	256.6	386.6	542.1	648.4	681.5
137.5°	268.5	386.6	532.8	633.1	666.2
140°	277.9	384.9	522.6	617.8	650.1
142.5°	288.1	383.2	511.5	601.6	631.4
145°	296.6	379.8	500.5	582.9	611.8
147.5°	305.1	375.6	492.0	564.2	590.6
150°	311.9	371.3	481.8	545.5	568.5
152.5°	318.7	366.2	468.2	527.7	545.5
155°	323.8	362.8	452.9	510.7	525.1
157.5°	329.7	360.3	437.6	491.2	505.6
160°	333.9	356.9	419.8	469.1	481.8
162.5°	338.2	354.3	401.1	445.3	458.9
165°	341.6	352.6	383.2	418.9	430.0
167.5°	344.1	351.8	370.5	392.6	400.2
170°	346.7	350.9	362.0	374.7	377.3
172.5°	348.4	350.9	355.2	361.1	362.0
175°	350.1	351.8	351.8	353.5	352.6
177.5°	350.1	350.9	349.2	350.1	348.4
180°	349.2	349.2	349.2	349.2	349.2

(END OF REPORT)