

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: P253585

Luminaire Tested: **J3-UL-40L93050-1D-UNV-W2A-W-4 (4500K)**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P253585
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 (4500K)
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 4500K CCT.
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3747.9 lumens
Efficiency: N/A
Efficacy: 128.8 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

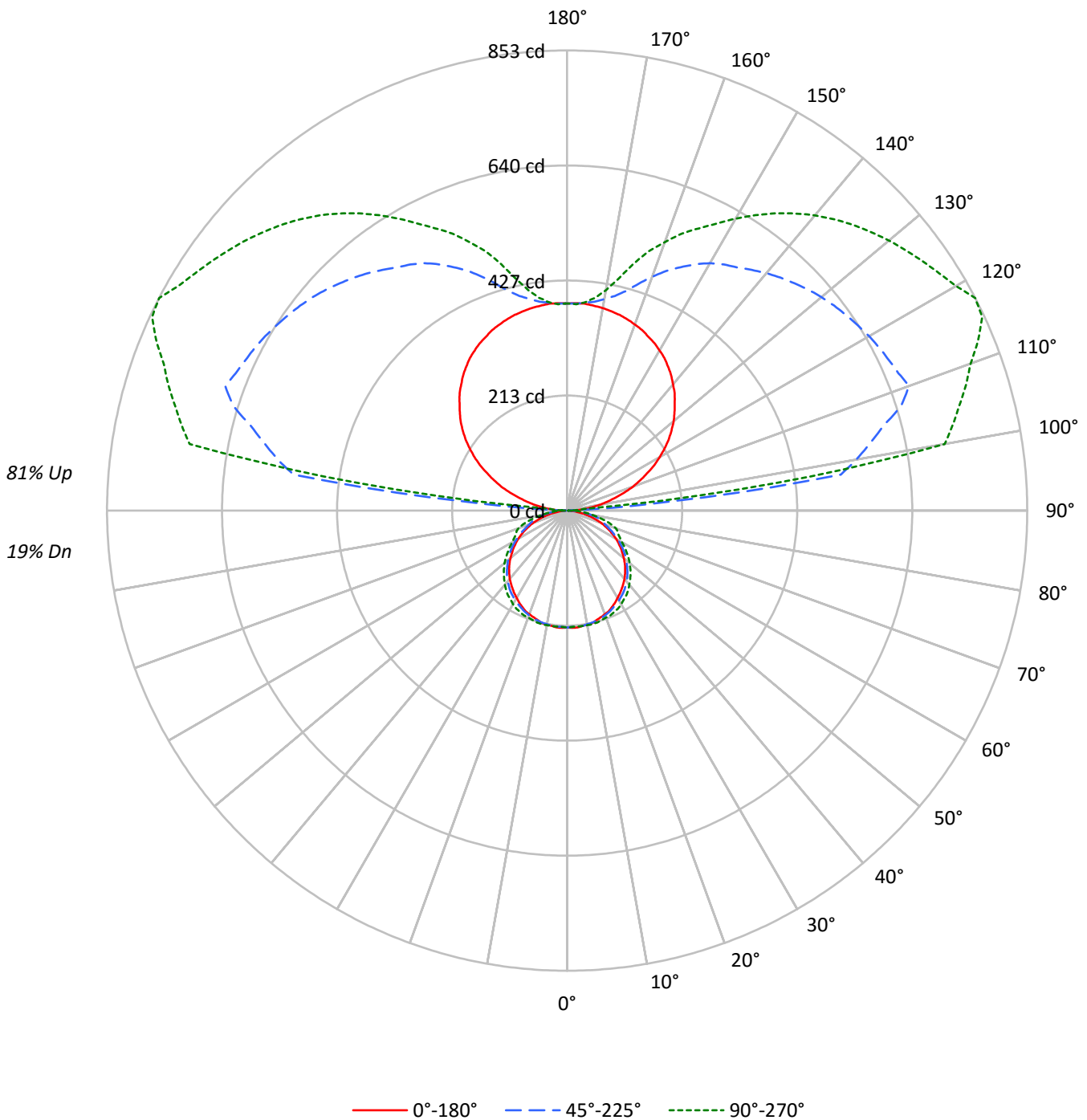
Input Watts (W): 29.1
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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°	1749	1749	1749
5°	1763	1749	1749
10°	1761	1753	1769
15°	1756	1764	1795
20°	1757	1773	1814
25°	1756	1781	1847
30°	1741	1794	1872
35°	1739	1804	1887
40°	1742	1801	1890
45°	1738	1802	1897
50°	1724	1795	1900
55°	1709	1787	1893
60°	1689	1765	1900
65°	1641	1748	1998
70°	1586	1763	2271
75°	1457	2009	2302
80°	1260	2041	2213
85°	954	2251	2510



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	20.6	0.5
10°-20°	59.9	1.6
20°-30°	92.8	2.5
30°-40°	114.8	3.1
40°-50°	122.4	3.3
50°-60°	114.1	3.0
60°-70°	93.1	2.5
70°-80°	64.1	1.7
80°-90°	25.1	0.7
90°-100°	218.2	5.8
100°-110°	565.6	15.1
110°-120°	586.8	15.7
120°-130°	522.3	13.9
130°-140°	435.1	11.6
140°-150°	331.4	8.8
150°-160°	223.2	6.0
160°-170°	121.2	3.2
170°-180°	37.3	1.0
0°-30°	173.3	4.6
0°-40°	288.1	7.7
0°-60°	524.6	14.0
0°-90°	706.9	18.9
90°-120°	1370.6	36.6
90°-150°	2659.4	71.0
90°-180°	3041.0	81.1
0°-180°	3747.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	217	217	217	217	217	
5°	218	218	216	216	216	21
15°	210	211	211	214	215	59
25°	197	197	200	206	207	91
35°	176	178	183	189	192	111
45°	152	154	158	163	166	117
55°	121	124	127	131	134	108
65°	86	88	92	100	105	85
75°	47	50	64	72	74	49
85°	10	20	24	28	27	12
90°	2	2	2	2	2	4
95°	32	247	190	31	30	31
105°	92	391	607	719	753	99
115°	163	404	658	822	849	162
125°	230	414	631	766	805	205
135°	282	425	596	713	749	218
145°	326	418	550	641	672	204
155°	356	399	498	561	577	164
165°	376	388	421	460	473	106
175°	385	387	387	388	388	37
180°	384	384	384	384	384	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	216.7	216.7	216.7	216.7	216.7
2.5°	217.6	217.6	215.8	215.8	215.8
5°	217.6	217.6	215.8	215.8	215.8
7.5°	215.8	216.7	215.8	215.8	215.8
10°	214.8	214.8	213.9	214.8	215.8
12.5°	213.9	213.9	212.9	214.8	215.8
15°	210.1	211.1	211.1	213.9	214.8
17.5°	207.3	208.3	209.2	212.0	212.9
20°	204.5	204.5	206.4	210.1	211.1
22.5°	201.7	201.7	203.6	208.3	210.1
25°	197.1	197.1	199.9	205.5	207.3
27.5°	192.4	193.3	196.1	201.7	204.5
30°	186.8	188.7	192.4	198.0	200.8
32.5°	182.1	184.0	187.7	193.3	195.2
35°	176.5	178.4	183.1	188.7	191.5
37.5°	170.9	172.8	177.5	183.1	185.9
40°	165.3	167.2	170.9	177.5	179.3
42.5°	158.8	160.6	165.3	170.9	172.8
45°	152.2	154.1	157.8	163.4	166.2
47.5°	144.8	147.6	150.4	156.0	158.8
50°	137.3	140.1	142.9	148.5	151.3
52.5°	128.9	132.6	135.4	140.1	142.9
55°	121.4	124.2	127.0	130.8	134.5
57.5°	113.0	115.8	118.6	123.3	126.1
60°	104.6	106.5	109.3	113.9	117.7
62.5°	95.3	98.1	99.9	105.5	111.1
65°	85.9	87.8	91.5	99.9	104.6
67.5°	76.6	78.5	82.2	94.3	101.8
70°	67.2	69.1	74.7	91.5	96.2
72.5°	56.0	58.8	68.2	84.1	85.9
75°	46.7	49.5	64.4	71.9	73.8
77.5°	36.4	40.2	55.1	59.8	60.7
80°	27.1	33.6	43.9	47.6	47.6
82.5°	17.7	28.0	33.6	37.4	37.4
85°	10.3	19.6	24.3	28.0	27.1
87.5°	6.5	13.1	18.7	21.5	20.5
90°	1.9	1.9	1.9	1.9	1.9
92.5°	17.7	49.5	14.9	14.0	14.0
95°	31.8	246.6	189.6	30.8	29.9
97.5°	44.8	300.7	511.8	604.3	392.3
100°	60.7	357.7	544.5	673.4	710.8
102.5°	75.7	382.0	574.4	692.1	732.2
105°	92.5	391.3	607.1	719.2	752.8
107.5°	111.1	396.9	650.1	741.6	775.2
110°	129.8	399.7	674.3	771.5	795.8



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	146.6	401.6	665.0	802.3	824.7
115°	163.4	404.4	658.5	821.9	849.0
117.5°	182.1	406.3	652.9	803.2	852.7
120°	198.0	409.1	646.3	790.2	832.2
122.5°	213.9	411.9	638.8	778.0	818.2
125°	229.8	413.8	631.4	765.9	805.1
127.5°	243.8	415.6	623.9	752.8	792.0
130°	257.8	421.2	615.5	740.7	778.9
132.5°	269.9	425.0	606.2	725.7	764.0
135°	282.1	425.0	595.9	712.6	749.1
137.5°	295.1	425.0	585.6	695.8	732.2
140°	305.4	423.1	574.4	679.0	714.5
142.5°	316.6	421.2	562.3	661.3	694.0
145°	326.0	417.5	550.1	640.7	672.5
147.5°	335.3	412.8	540.8	620.2	649.1
150°	342.8	408.2	529.6	599.6	624.8
152.5°	350.2	402.5	514.6	580.0	599.6
155°	355.8	398.8	497.8	561.3	577.2
157.5°	362.4	396.0	481.0	539.8	555.7
160°	367.1	392.3	461.4	515.6	529.6
162.5°	371.7	389.5	440.8	489.4	504.4
165°	375.5	387.6	421.2	460.5	472.6
167.5°	378.3	386.7	407.2	431.5	439.9
170°	381.1	385.7	397.9	411.9	414.7
172.5°	382.9	385.7	390.4	396.9	397.9
175°	384.8	386.7	386.7	388.5	387.6
177.5°	384.8	385.7	383.9	384.8	382.9
180°	383.9	383.9	383.9	383.9	383.9

(END OF REPORT)