

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: P253560

Luminaire Tested: **J3-UL-20L83050-1D-UNV-W2A-W-4 (3000K)**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P253560
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1805-784-14)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: J3-UL-20L83050-1D-UNV-W2A-W-4 (3000K)
Description: JAYLUM J3 SUSPENDED LED LUMINAIRE, FROSTED LENS, OPEN TOP.
3000K-5000K CCT VividTune LIGHT ENGINE.
Light Source: (336) 3000K-5000K CCT, 80 CRI LEDS, TUNED TO 3000K CCT.
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2214.9 lumens
Efficiency: N/A
Efficacy: 136.7 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

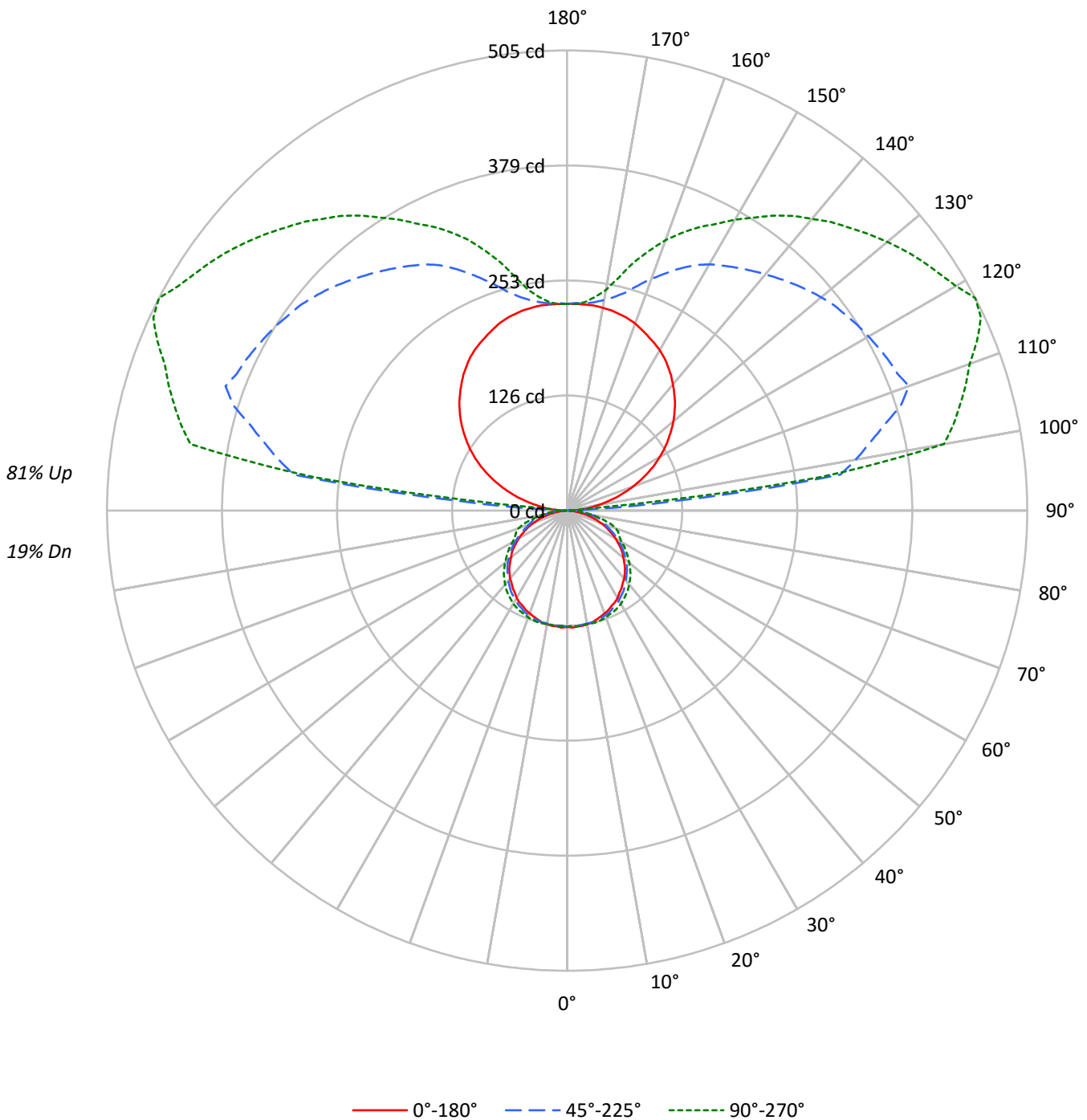
Input Watts (W): 16.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	27	27	27	19				
1	91	86	82	79	80	76	73	70	57	55	53	40	39	37	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	19	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°	1030	1030	1030
5°	1034	1027	1034
10°	1039	1031	1039
15°	1036	1043	1059
20°	1032	1048	1072
25°	1028	1053	1087
30°	1031	1058	1102
35°	1025	1062	1109
40°	1026	1056	1116
45°	1025	1058	1122
50°	1010	1056	1117
55°	1012	1051	1118
60°	993	1038	1114
65°	957	1030	1192
70°	916	1048	1338
75°	855	1210	1357
80°	702	1186	1320
85°	611	1315	1491



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	12.1	0.5
10°-20°	35.3	1.6
20°-30°	54.8	2.5
30°-40°	67.6	3.1
40°-50°	72.0	3.3
50°-60°	67.2	3.0
60°-70°	55.0	2.5
70°-80°	37.9	1.7
80°-90°	14.7	0.7
90°-100°	131.9	6.0
100°-110°	334.0	15.1
110°-120°	346.2	15.6
120°-130°	308.6	13.9
130°-140°	256.8	11.6
140°-150°	195.5	8.8
150°-160°	131.6	5.9
160°-170°	71.6	3.2
170°-180°	22.0	1.0
0°-30°	102.3	4.6
0°-40°	169.9	7.7
0°-60°	309.1	14.0
0°-90°	416.7	18.8
90°-120°	812.1	36.7
90°-150°	1573.0	71.0
90°-180°	1798.0	81.2
0°-180°	2214.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	128	128	128	128	128	
5°	128	128	127	128	128	12
15°	124	125	125	126	127	35
25°	115	116	118	121	122	53
35°	104	105	108	112	112	65
45°	90	91	93	96	98	69
55°	72	73	75	78	79	64
65°	50	52	54	60	62	50
75°	27	29	39	42	44	29
85°	7	11	14	16	16	7
90°	1	1	1	1	1	2
95°	19	146	115	18	18	19
105°	56	231	359	424	446	59
115°	97	238	390	484	501	96
125°	135	244	374	453	476	121
135°	167	252	352	421	439	129
145°	193	247	325	378	395	121
155°	211	234	293	331	343	97
165°	223	229	248	272	282	63
175°	227	227	228	230	230	22
180°	227	227	227	227	227	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	127.6	127.6	127.6	127.6	127.6
2.5°	128.6	128.6	126.7	127.6	126.7
5°	127.6	127.6	126.7	127.6	127.6
7.5°	127.6	127.6	126.7	127.6	126.7
10°	126.7	126.7	125.8	126.7	126.7
12.5°	125.8	125.8	125.8	126.7	126.7
15°	123.9	124.8	124.8	125.8	126.7
17.5°	122.0	122.9	123.9	124.8	125.8
20°	120.1	121.0	122.0	123.9	124.8
22.5°	118.2	119.1	121.0	122.9	122.9
25°	115.4	116.3	118.2	121.0	122.0
27.5°	113.5	114.4	116.3	119.1	120.1
30°	110.6	111.6	113.5	117.2	118.2
32.5°	106.8	108.7	110.6	114.4	115.4
35°	104.0	105.0	107.8	111.6	112.5
37.5°	100.2	101.2	104.0	107.8	109.7
40°	97.4	98.3	100.2	104.0	105.9
42.5°	93.6	94.6	96.4	100.2	102.1
45°	89.8	90.8	92.7	96.4	98.3
47.5°	85.1	87.0	88.9	91.7	93.6
50°	80.4	82.3	84.1	87.9	88.9
52.5°	76.6	77.5	79.4	82.3	84.1
55°	71.9	72.8	74.7	77.5	79.4
57.5°	66.2	68.1	70.0	72.8	74.7
60°	61.5	63.3	64.3	68.1	69.0
62.5°	55.8	57.7	59.6	62.4	65.2
65°	50.1	52.0	53.9	59.6	62.4
67.5°	45.4	46.3	48.2	55.8	60.5
70°	38.8	40.7	44.4	53.9	56.7
72.5°	33.1	35.0	40.7	49.2	51.1
75°	27.4	29.3	38.8	42.5	43.5
77.5°	21.7	23.6	33.1	35.0	35.0
80°	15.1	19.9	25.5	28.4	28.4
82.5°	10.4	17.0	19.9	21.7	21.7
85°	6.6	11.3	14.2	16.1	16.1
87.5°	3.8	7.6	11.3	12.3	12.3
90°	0.9	0.9	0.9	0.9	0.9
92.5°	10.4	30.3	8.5	8.5	8.5
95°	18.9	145.6	115.4	18.0	18.0
97.5°	26.5	176.8	302.6	374.4	279.9
100°	35.0	209.9	321.5	397.1	419.8
102.5°	44.4	225.0	339.4	409.4	434.0
105°	55.8	230.7	359.3	424.5	446.3
107.5°	66.2	233.5	383.9	437.8	458.6
110°	76.6	235.4	399.0	452.9	469.9



TEST NUMBER: P253560

CATALOG NUMBER: J3-UL-20L83050-1D-UNV-W2A-W-4 (3000K)

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	87.0	236.4	392.4	472.8	486.9
115°	97.4	238.3	389.5	484.1	501.1
117.5°	107.8	239.2	385.8	472.8	504.9
120°	117.2	241.1	382.0	466.1	492.6
122.5°	126.7	242.0	378.2	459.5	484.1
125°	135.2	243.9	373.5	452.9	476.5
127.5°	143.7	245.8	369.7	445.3	468.0
130°	152.2	248.7	364.0	437.8	458.6
132.5°	159.8	250.6	358.3	429.3	449.1
135°	167.4	251.5	351.7	420.7	438.7
137.5°	174.0	251.5	345.1	411.3	429.3
140°	180.6	250.6	338.5	400.9	417.9
142.5°	187.2	249.6	331.9	389.5	407.5
145°	192.9	246.8	325.3	378.2	395.2
147.5°	198.6	243.9	318.6	365.9	381.0
150°	203.3	240.2	312.0	352.7	368.7
152.5°	207.1	237.3	303.5	341.3	354.6
155°	210.8	234.5	293.1	330.9	343.2
157.5°	214.6	232.6	281.8	318.6	330.0
160°	218.4	231.6	270.4	304.5	315.8
162.5°	221.2	229.8	259.1	288.4	298.8
165°	223.1	228.8	247.7	272.3	281.8
167.5°	225.0	227.9	240.2	254.3	261.9
170°	226.0	226.9	234.5	242.0	245.8
172.5°	226.9	226.9	230.7	234.5	236.4
175°	226.9	226.9	227.9	229.8	229.8
177.5°	226.9	227.9	227.9	227.9	226.9
180°	226.9	226.9	226.9	226.9	226.9

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