

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: P253313

Luminaire Tested: **J3-UL-20L840-1D-UNV-STD-W-4**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P253313
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1707-177-9)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: J3-UL-20L840-1D-UNV-STD-W-4
Description: JAYLUM J3 SUSPENDED LED LUMINAIRE, FROSTED LENS, OPEN TOP.
Light Source: (224) 4000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

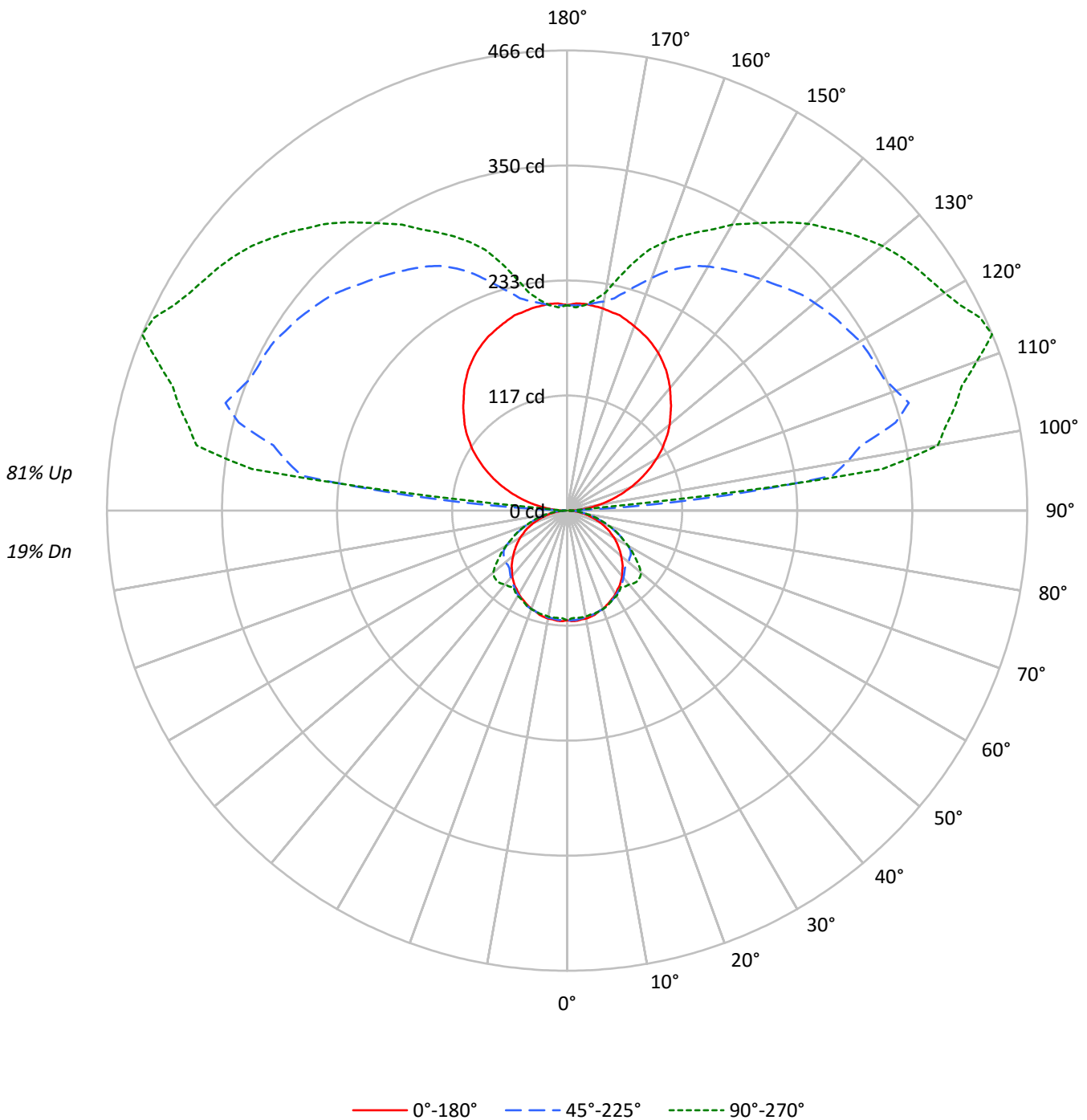
Lumens per Lamp: N/A
Luminaire Lumens: 2013.6 lumens
Efficiency: N/A
Efficacy: 157.3 lumens/watt
Spacing Criteria (0/90/45): 1.3 / 1.33 / 1.47
Luminous Opening: Rectangular (W 0.33' x L: 4' x H: 0')
CIE Type: Semi-Indirect

Input Watts (W): 12.8
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	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	36	30	28	26	18	17	16	10
4	68	58	50	44	60	51	45	40	39	34	31	27	24	22	16	15	13	9
5	62	51	43	38	55	45	39	34	34	30	26	24	21	19	14	13	11	7
6	57	46	38	32	50	40	34	29	31	26	23	21	18	16	13	11	10	6
7	53	41	33	28	46	36	30	25	28	23	20	19	16	14	12	10	9	6
8	49	37	30	24	43	33	26	22	25	20	17	18	15	12	11	9	8	5
9	45	33	26	21	40	30	24	19	23	18	15	16	13	11	10	8	7	4
10	42	30	24	19	37	27	21	17	21	16	13	15	12	10	9	7	6	4

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	897	897	897
5°	908	900	884
10°	911	903	894
15°	912	903	903
20°	911	911	911
25°	908	917	917
30°	912	922	931
35°	914	924	934
40°	913	935	1031
45°	908	943	1152
50°	895	1024	1228
55°	890	1105	1191
60°	888	1151	1151
65°	877	1110	1110
70°	843	1057	1057
75°	795	986	1017
80°	758	948	948
85°	658	1130	945



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	10.5	0.5
10°-20°	30.5	1.5
20°-30°	47.3	2.4
30°-40°	59.0	2.9
40°-50°	67.3	3.3
50°-60°	67.2	3.3
60°-70°	53.5	2.7
70°-80°	32.9	1.6
80°-90°	11.8	0.6
90°-100°	125.1	6.2
100°-110°	304.9	15.1
110°-120°	311.7	15.5
120°-130°	276.6	13.7
130°-140°	231.5	11.5
140°-150°	177.1	8.8
150°-160°	120.5	6.0
160°-170°	65.9	3.3
170°-180°	20.2	1.0
0°-30°	88.4	4.4
0°-40°	147.4	7.3
0°-60°	281.8	14.0
0°-90°	380.0	18.9
90°-120°	741.7	36.8
90°-150°	1427.0	70.9
90°-180°	1634.0	81.1
0°-180°	2013.6	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	111	111	111	111	111	
5°	112	110	111	110	109	11
15°	109	108	108	108	108	31
25°	102	102	103	103	103	47
35°	93	93	94	95	95	58
45°	80	80	83	96	101	61
55°	63	64	78	85	85	57
65°	46	49	58	58	58	45
75°	26	32	32	33	33	27
85°	7	10	12	11	10	8
90°	2	4	2	0	0	3
95°	16	134	134	16	16	16
105°	50	205	344	385	407	53
115°	87	209	346	432	462	86
125°	120	216	335	408	430	108
135°	149	225	317	380	398	115
145°	174	223	296	344	356	109
155°	193	212	271	305	311	89
165°	205	209	229	253	260	58
175°	210	208	209	210	209	20
180°	208	208	208	208	208	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	111.1	111.1	111.1	111.1	111.1
2.5°	112.1	111.1	111.1	110.1	109.1
5°	112.1	110.1	111.1	110.1	109.1
7.5°	111.1	110.1	110.1	110.1	109.1
10°	111.1	109.1	110.1	109.1	109.1
12.5°	110.1	109.1	109.1	109.1	108.0
15°	109.1	108.0	108.0	108.0	108.0
17.5°	107.0	106.0	107.0	107.0	107.0
20°	106.0	105.0	106.0	106.0	106.0
22.5°	104.0	102.9	105.0	105.0	105.0
25°	101.9	101.9	102.9	102.9	102.9
27.5°	99.9	99.9	100.9	101.9	100.9
30°	97.8	96.8	98.9	99.9	99.9
32.5°	94.8	94.8	96.8	96.8	97.8
35°	92.7	92.7	93.8	94.8	94.8
37.5°	89.7	89.7	91.7	92.7	96.8
40°	86.6	86.6	88.7	93.8	97.8
42.5°	82.6	83.6	85.6	93.8	99.9
45°	79.5	79.5	82.6	95.8	100.9
47.5°	75.4	76.4	81.5	95.8	99.9
50°	71.3	72.4	81.5	94.8	97.8
52.5°	67.3	68.3	79.5	90.7	91.7
55°	63.2	64.2	78.5	84.6	84.6
57.5°	59.1	60.1	76.4	78.5	78.5
60°	55.0	56.1	71.3	71.3	71.3
62.5°	49.9	51.0	64.2	64.2	64.2
65°	45.9	48.9	58.1	58.1	58.1
67.5°	40.8	44.8	51.0	52.0	52.0
70°	35.7	41.8	44.8	44.8	44.8
72.5°	30.6	37.7	37.7	38.7	38.7
75°	25.5	31.6	31.6	32.6	32.6
77.5°	20.4	25.5	25.5	26.5	26.5
80°	16.3	19.4	20.4	20.4	20.4
82.5°	12.2	15.3	15.3	15.3	15.3
85°	7.1	10.2	12.2	11.2	10.2
87.5°	4.1	8.2	8.2	7.1	6.1
90°	2.0	4.1	2.0	0.0	0.0
92.5°	10.2	33.6	10.2	7.1	7.1
95°	16.3	133.5	133.5	16.3	16.3
97.5°	23.4	165.1	271.1	341.4	322.1
100°	31.6	205.9	288.4	356.7	381.2
102.5°	40.8	202.8	304.7	370.0	392.4
105°	49.9	204.9	344.5	385.3	406.7
107.5°	59.1	204.9	362.8	395.5	418.9
110°	68.3	204.9	354.7	437.2	441.3



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	77.5	206.9	347.6	440.3	465.8
115°	86.6	208.9	345.5	432.2	461.7
117.5°	95.8	210.0	344.5	422.0	449.5
120°	104.0	211.0	342.5	417.9	441.3
122.5°	113.1	213.0	338.4	412.8	435.2
125°	120.3	216.1	335.3	407.7	430.1
127.5°	128.4	218.1	331.2	402.6	424.0
130°	135.6	221.2	327.2	394.4	416.9
132.5°	141.7	224.2	323.1	388.3	407.7
135°	148.8	225.2	317.0	380.2	398.5
137.5°	154.9	226.3	310.9	373.0	388.3
140°	162.1	225.2	305.8	362.8	379.2
142.5°	168.2	224.2	300.7	352.7	367.9
145°	174.3	223.2	295.6	343.5	355.7
147.5°	179.4	221.2	290.5	333.3	344.5
150°	184.5	218.1	285.4	324.1	334.3
152.5°	188.6	215.1	279.3	313.9	321.1
155°	192.6	212.0	271.1	304.7	310.9
157.5°	195.7	210.0	261.9	294.6	300.7
160°	198.7	208.9	250.7	284.4	289.5
162.5°	201.8	208.9	239.5	271.1	277.2
165°	204.9	208.9	229.3	252.8	259.9
167.5°	205.9	207.9	220.2	235.4	241.6
170°	207.9	207.9	215.1	222.2	224.2
172.5°	208.9	207.9	212.0	215.1	215.1
175°	210.0	207.9	208.9	210.0	208.9
177.5°	210.0	207.9	207.9	207.9	205.9
180°	207.9	207.9	207.9	207.9	207.9

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