

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: P253565

Luminaire Tested: **J3-UL-20L93050-1D-UNV-W2A-W-4 (3500K)**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P253565
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-20L93050-1D-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: 1990.4 lumens
Efficiency: N/A
Efficacy: 120.6 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

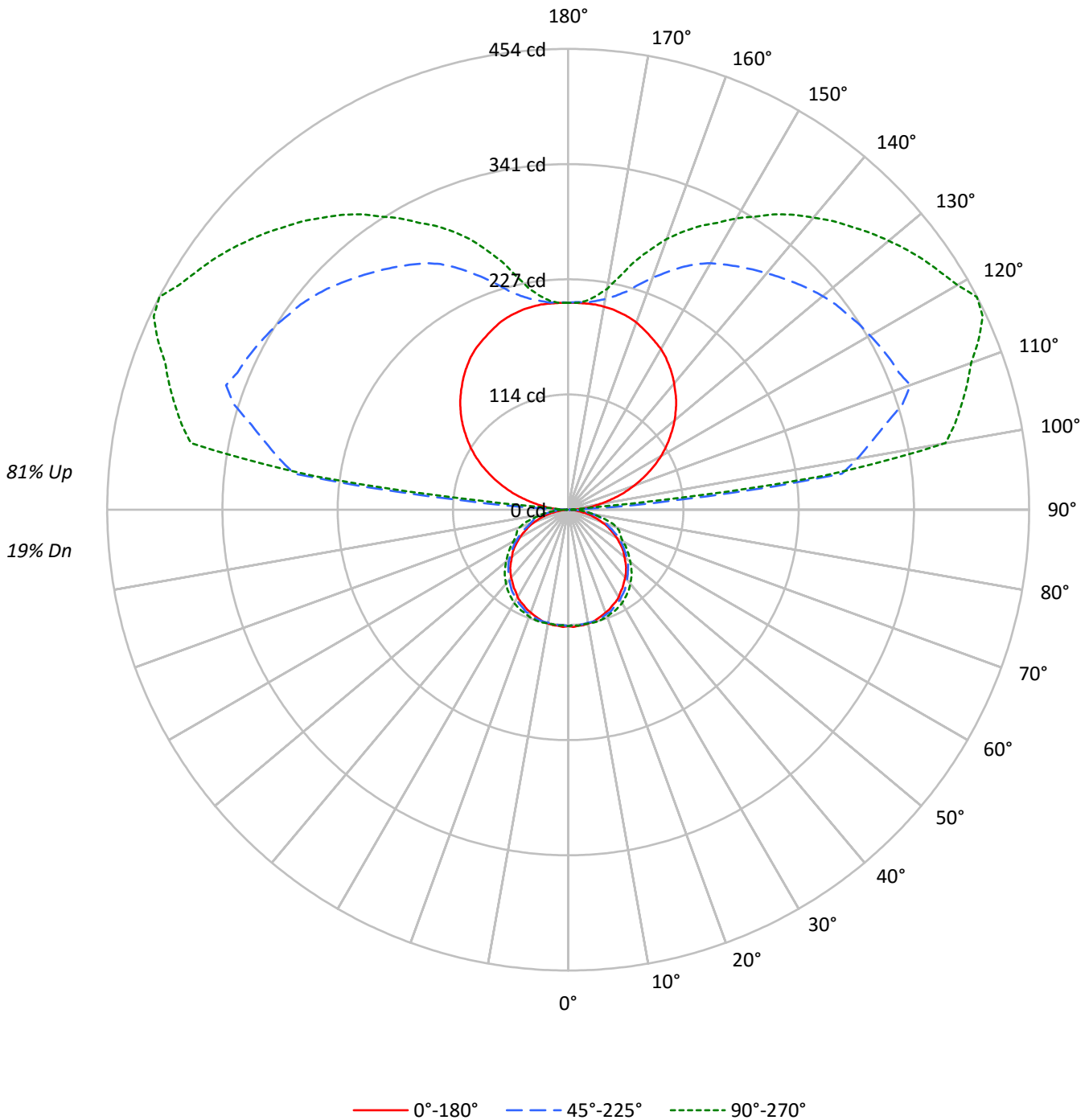
Input Watts (W): 16.5
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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°	926	926	926
5°	930	923	930
10°	934	926	934
15°	930	938	952
20°	927	942	964
25°	924	946	976
30°	927	951	990
35°	921	955	996
40°	922	950	1003
45°	921	951	1009
50°	907	949	1003
55°	909	944	1005
60°	891	933	1001
65°	860	925	1072
70°	821	942	1204
75°	767	1085	1220
80°	632	1065	1186
85°	546	1176	1334



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	10.9	0.5
10°-20°	31.8	1.6
20°-30°	49.2	2.5
30°-40°	60.8	3.1
40°-50°	64.7	3.3
50°-60°	60.4	3.0
60°-70°	49.4	2.5
70°-80°	34.0	1.7
80°-90°	13.2	0.7
90°-100°	118.5	6.0
100°-110°	300.2	15.1
110°-120°	311.1	15.6
120°-130°	277.4	13.9
130°-140°	230.8	11.6
140°-150°	175.7	8.8
150°-160°	118.3	5.9
160°-170°	64.3	3.2
170°-180°	19.8	1.0
0°-30°	91.9	4.6
0°-40°	152.7	7.7
0°-60°	277.8	14.0
0°-90°	374.5	18.8
90°-120°	729.8	36.7
90°-150°	1413.6	71.0
90°-180°	1616.0	81.2
0°-180°	1990.4	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	115	115	115	115	115	
5°	115	115	114	115	115	11
15°	111	112	112	113	114	31
25°	104	104	106	109	110	48
35°	94	94	97	100	101	58
45°	81	82	83	87	88	62
55°	65	65	67	70	71	57
65°	45	47	48	54	56	45
75°	25	26	35	38	39	26
85°	6	10	13	14	14	6
90°	1	1	1	1	1	2
95°	17	131	104	16	16	17
105°	50	207	323	382	401	53
115°	88	214	350	435	450	87
125°	122	219	336	407	428	109
135°	150	226	316	378	394	116
145°	173	222	292	340	355	108
155°	190	211	263	297	308	88
165°	200	206	223	245	253	57
175°	204	204	205	206	206	19
180°	204	204	204	204	204	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	114.7	114.7	114.7	114.7	114.7
2.5°	115.6	115.6	113.9	114.7	113.9
5°	114.7	114.7	113.9	114.7	114.7
7.5°	114.7	114.7	113.9	114.7	113.9
10°	113.9	113.9	113.0	113.9	113.9
12.5°	113.0	113.0	113.0	113.9	113.9
15°	111.3	112.2	112.2	113.0	113.9
17.5°	109.6	110.5	111.3	112.2	113.0
20°	107.9	108.8	109.6	111.3	112.2
22.5°	106.2	107.1	108.8	110.5	110.5
25°	103.7	104.5	106.2	108.8	109.6
27.5°	102.0	102.8	104.5	107.1	107.9
30°	99.4	100.3	102.0	105.4	106.2
32.5°	96.0	97.7	99.4	102.8	103.7
35°	93.5	94.3	96.9	100.3	101.1
37.5°	90.1	90.9	93.5	96.9	98.6
40°	87.5	88.4	90.1	93.5	95.2
42.5°	84.1	85.0	86.7	90.1	91.8
45°	80.7	81.6	83.3	86.7	88.4
47.5°	76.5	78.2	79.9	82.4	84.1
50°	72.2	73.9	75.6	79.0	79.9
52.5°	68.8	69.7	71.4	73.9	75.6
55°	64.6	65.4	67.1	69.7	71.4
57.5°	59.5	61.2	62.9	65.4	67.1
60°	55.2	56.9	57.8	61.2	62.0
62.5°	50.1	51.8	53.5	56.1	58.6
65°	45.0	46.7	48.4	53.5	56.1
67.5°	40.8	41.6	43.3	50.1	54.4
70°	34.8	36.5	39.9	48.4	51.0
72.5°	29.7	31.4	36.5	44.2	45.9
75°	24.6	26.3	34.8	38.2	39.1
77.5°	19.5	21.2	29.7	31.4	31.4
80°	13.6	17.8	22.9	25.5	25.5
82.5°	9.3	15.3	17.8	19.5	19.5
85°	5.9	10.2	12.7	14.4	14.4
87.5°	3.4	6.8	10.2	11.0	11.0
90°	0.8	0.8	0.8	0.8	0.8
92.5°	9.3	27.2	7.6	7.6	7.6
95°	17.0	130.9	103.7	16.1	16.1
97.5°	23.8	158.9	271.9	336.5	251.5
100°	31.4	188.6	288.9	356.9	377.3
102.5°	39.9	202.2	305.1	367.9	390.0
105°	50.1	207.3	322.9	381.5	401.1
107.5°	59.5	209.9	345.0	393.4	412.1
110°	68.8	211.6	358.6	407.0	422.3



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	78.2	212.4	352.6	424.9	437.6
115°	87.5	214.1	350.1	435.1	450.4
117.5°	96.9	215.0	346.7	424.9	453.8
120°	105.4	216.7	343.3	418.9	442.7
122.5°	113.9	217.5	339.9	413.0	435.1
125°	121.5	219.2	335.6	407.0	428.3
127.5°	129.2	220.9	332.2	400.2	420.6
130°	136.8	223.5	327.2	393.4	412.1
132.5°	143.6	225.2	322.1	385.8	403.6
135°	150.4	226.0	316.1	378.1	394.3
137.5°	156.4	226.0	310.2	369.6	385.8
140°	162.3	225.2	304.2	360.3	375.6
142.5°	168.2	224.3	298.3	350.1	366.2
145°	173.3	221.8	292.3	339.9	355.2
147.5°	178.4	219.2	286.4	328.9	342.4
150°	182.7	215.8	280.4	317.0	331.4
152.5°	186.1	213.3	272.8	306.8	318.7
155°	189.5	210.7	263.4	297.4	308.5
157.5°	192.9	209.0	253.2	286.4	296.6
160°	196.3	208.2	243.0	273.6	283.8
162.5°	198.8	206.5	232.8	259.2	268.5
165°	200.5	205.6	222.6	244.7	253.2
167.5°	202.2	204.8	215.8	228.6	235.4
170°	203.1	203.9	210.7	217.5	220.9
172.5°	203.9	203.9	207.3	210.7	212.4
175°	203.9	203.9	204.8	206.5	206.5
177.5°	203.9	204.8	204.8	204.8	203.9
180°	203.9	203.9	203.9	203.9	203.9

(END OF REPORT)