

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: P275086

Luminaire Tested: **J3-FL-20L92765-1D-UNV-W2A-W-4 (6500K)**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P275086
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P179524)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: J3-FL-20L92765-1D-UNV-W2A-W-4 (6500K)
Description: JAYLUM J3 SUSPENDED LED LUMINAIRE, FROSTED LENS, FROSTED TOP.
2700K-6500K CCT VividTune LIGHT ENGINE.
Light Source: (336) 2700K-6500K CCT, 90 CRI LEDS, TUNED TO 6500K CCT.
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2130.7 lumens
Efficiency: N/A
Efficacy: 125.3 lumens/watt
Spacing Criteria (0/90/45): 1.31 / 1.42 / 1.48
Luminous Opening: Rectangular (W 0.33' x L: 4' x H: 0')
CIE Type: Semi-Indirect

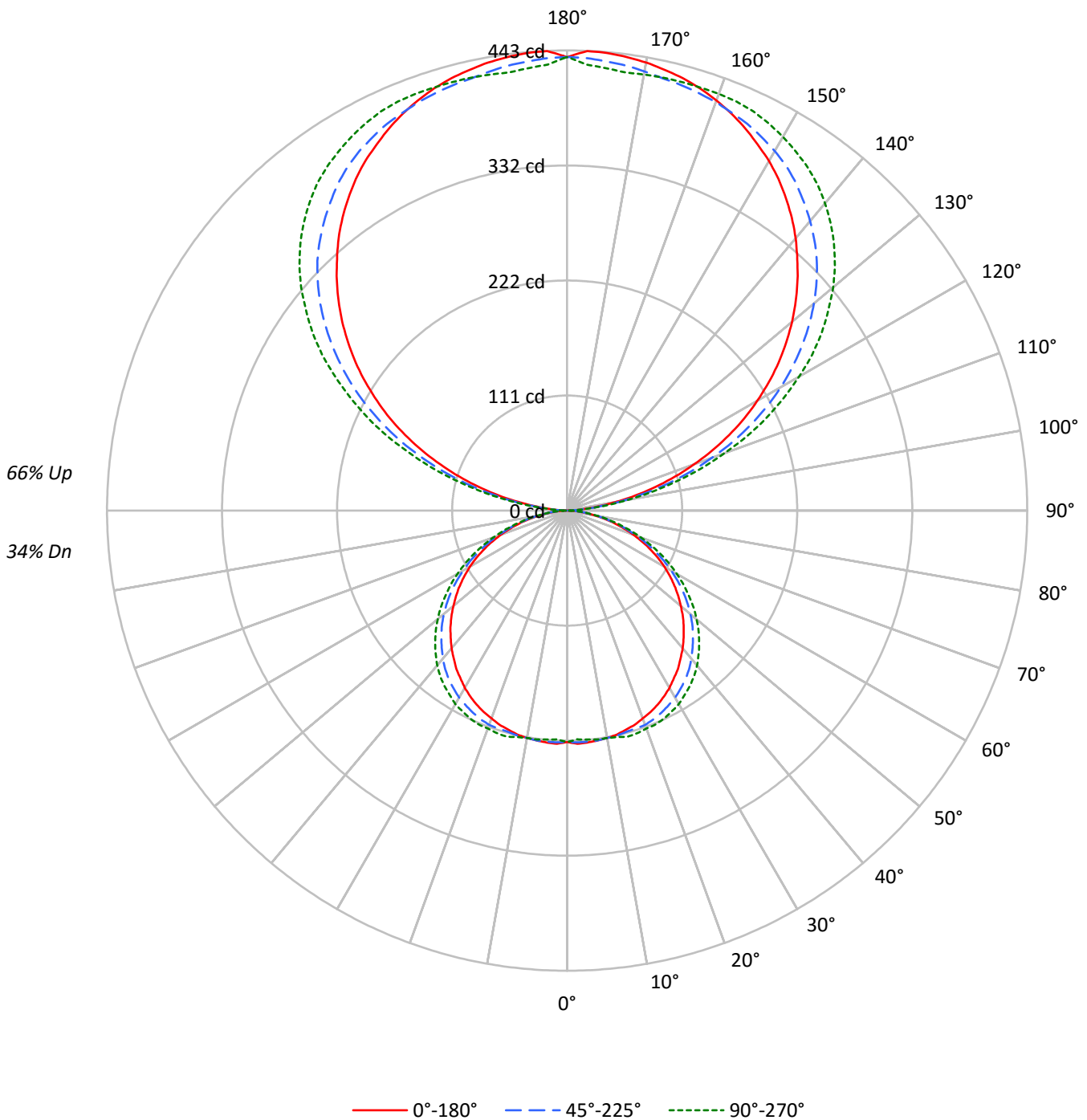
Input Watts (W): 17
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	0
RCR																		
0	103	103	103	103	93	93	93	93	74	74	74	57	57	57	41	41	41	34
1	94	90	86	82	85	81	78	75	65	62	60	50	48	47	36	35	34	28
2	85	78	72	67	77	71	65	61	56	53	50	43	41	39	31	30	29	23
3	78	68	61	55	70	62	56	51	50	45	41	38	35	33	28	26	24	19
4	71	60	52	47	64	55	48	43	44	39	35	34	30	28	25	22	21	16
5	65	53	45	40	58	48	42	36	39	34	30	30	27	24	22	20	18	14
6	60	48	40	34	53	43	36	31	35	30	26	27	23	21	20	17	15	12
7	55	43	35	30	49	39	32	27	32	26	23	25	21	18	18	16	14	11
8	51	39	31	26	46	35	29	24	29	24	20	22	19	16	16	14	12	10
9	47	35	28	23	43	32	26	21	26	21	18	20	17	14	15	13	11	9
10	44	32	25	20	40	29	23	19	24	19	16	19	15	13	14	12	10	8

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1799	1799	1799
5°	1817	1810	1793
10°	1822	1822	1822
15°	1825	1842	1883
20°	1828	1886	1918
25°	1836	1912	1968
30°	1836	1939	2006
35°	1833	1955	2031
40°	1824	1960	2051
45°	1813	1955	2053
50°	1795	1945	2042
55°	1776	1918	2011
60°	1744	1868	1968
65°	1689	1798	1901
70°	1591	1695	1782
75°	1463	1550	1625
80°	1269	1358	1404
85°	1019	1056	1112



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	21.3	1.0
10°-20°	62.5	2.9
20°-30°	98.4	4.6
30°-40°	123.0	5.8
40°-50°	131.1	6.2
50°-60°	120.9	5.7
60°-70°	92.9	4.4
70°-80°	52.6	2.5
80°-90°	13.9	0.7
90°-100°	22.3	1.0
100°-110°	105.1	4.9
110°-120°	190.5	8.9
120°-130°	244.7	11.5
130°-140°	260.4	12.2
140°-150°	239.6	11.2
150°-160°	189.7	8.9
160°-170°	120.4	5.7
170°-180°	41.3	1.9
0°-30°	182.2	8.6
0°-40°	305.2	14.3
0°-60°	557.3	26.2
0°-90°	716.6	33.6
90°-120°	318.0	14.9
90°-150°	1062.6	49.9
90°-180°	1414.0	66.4
0°-180°	2130.7	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	223	223	223	223	223	
5°	224	222	223	223	221	21
15°	218	218	220	224	225	62
25°	206	206	215	219	221	95
35°	186	189	198	203	206	116
45°	159	163	171	176	180	122
55°	126	130	136	141	143	113
65°	88	90	94	98	100	87
75°	47	48	50	52	52	50
85°	11	11	11	12	12	12
90°	0	0	0	0	0	1
95°	15	15	17	18	19	19
105°	88	92	100	107	110	93
115°	172	179	195	206	212	170
125°	249	256	276	291	299	222
135°	314	318	340	355	363	242
145°	367	366	384	396	404	230
155°	406	400	411	419	424	187
165°	431	424	424	426	427	122
175°	442	437	434	431	428	42
180°	437	437	437	437	437	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	222.8	222.8	222.8	222.8	222.8
2.5°	224.7	222.8	223.3	223.3	220.4
5°	224.2	222.3	223.3	222.8	221.3
7.5°	223.3	221.8	223.3	223.3	222.3
10°	222.3	220.9	222.3	222.8	222.3
12.5°	220.9	219.5	221.8	222.8	223.3
15°	218.4	217.5	220.4	224.2	225.3
17.5°	216.2	215.6	220.0	224.2	224.7
20°	212.8	212.8	219.5	222.8	223.3
22.5°	209.9	209.9	217.5	220.9	222.8
25°	206.1	206.5	214.7	219.0	220.9
27.5°	201.8	203.2	211.3	216.2	218.0
30°	197.0	199.4	208.0	212.8	215.2
32.5°	191.3	194.6	203.2	208.0	210.4
35°	186.0	189.4	198.4	203.2	206.1
37.5°	179.3	183.6	192.7	197.4	200.8
40°	173.1	177.5	186.0	191.3	194.6
42.5°	165.9	170.7	178.8	184.1	187.4
45°	158.8	163.0	171.2	176.4	179.8
47.5°	151.1	155.4	163.6	168.4	171.6
50°	142.9	147.7	154.9	159.7	162.6
52.5°	134.8	139.1	145.8	150.7	153.5
55°	126.2	130.0	136.3	140.6	142.9
57.5°	117.1	120.9	126.2	130.5	132.9
60°	108.0	110.9	115.7	120.0	121.9
62.5°	98.5	100.9	105.2	108.6	110.9
65°	88.4	90.4	94.1	97.5	99.5
67.5°	78.0	79.8	83.2	86.1	87.5
70°	67.4	69.3	71.8	74.1	75.5
72.5°	57.3	58.3	60.7	62.7	63.6
75°	46.9	47.8	49.7	51.6	52.1
77.5°	37.3	37.8	39.3	40.2	40.6
80°	27.3	28.2	29.2	29.6	30.2
82.5°	18.6	19.1	19.6	20.1	20.5
85°	11.0	11.4	11.4	12.0	12.0
87.5°	4.8	5.3	5.3	5.3	5.3
90°	0.5	0.5	0.5	0.0	0.0
92.5°	4.8	4.8	5.3	5.7	6.2
95°	14.8	15.3	16.8	17.7	18.6
97.5°	29.6	30.6	33.4	35.9	36.8
100°	47.8	49.7	54.1	57.3	58.8
102.5°	67.4	70.2	76.5	81.3	83.7
105°	88.0	91.8	100.4	106.6	109.5
107.5°	109.0	113.9	124.8	132.0	135.8
110°	130.0	136.3	148.2	157.7	160.6



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	151.1	157.7	172.1	182.6	187.9
115°	172.1	179.3	194.6	206.5	212.3
117.5°	192.3	199.8	216.6	230.0	235.2
120°	211.3	219.5	237.7	251.5	257.7
122.5°	230.4	238.2	257.2	272.0	279.8
125°	248.6	256.3	275.9	291.2	299.3
127.5°	265.9	273.0	293.6	309.3	317.0
130°	282.6	289.3	310.3	325.7	334.3
132.5°	298.4	304.6	325.7	340.5	349.6
135°	313.7	318.4	340.0	354.8	363.4
137.5°	328.0	331.4	352.5	367.3	375.4
140°	342.3	343.4	363.9	377.7	386.3
142.5°	355.3	354.8	374.4	387.7	395.9
145°	367.3	365.8	384.4	396.3	403.6
147.5°	378.6	375.4	393.0	403.1	409.8
150°	388.7	384.4	399.7	409.8	415.5
152.5°	397.3	392.5	405.4	414.5	420.2
155°	405.9	400.2	410.7	419.3	424.1
157.5°	413.6	406.4	414.5	422.2	426.1
160°	420.2	413.2	418.4	424.1	427.0
162.5°	426.1	418.9	421.3	424.6	427.0
165°	430.9	424.1	424.1	425.5	427.0
167.5°	434.6	428.9	426.1	426.5	427.0
170°	438.0	432.2	429.3	426.5	426.1
172.5°	440.4	434.6	432.2	428.4	425.5
175°	442.3	437.1	434.1	430.9	427.5
177.5°	442.8	438.4	436.0	432.7	429.8
180°	436.6	436.6	436.6	436.6	436.6

(END OF REPORT)