

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: P275071

Luminaire Tested: **J3-FL-20L82765-1D-UNV-W2A-W-4 (2700K)**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P275071
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-20L82765-1D-UNV-W2A-W-4 (2700K)
Description: JAYLUM J3 SUSPENDED LED LUMINAIRE, FROSTED LENS, FROSTED TOP.
2700K-6500K CCT VividTune LIGHT ENGINE.
Light Source: (336) 2700K-6500K CCT, 80 CRI LEDS, TUNED TO 2700K CCT.
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2061.0 lumens
Efficiency: N/A
Efficacy: 127.2 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

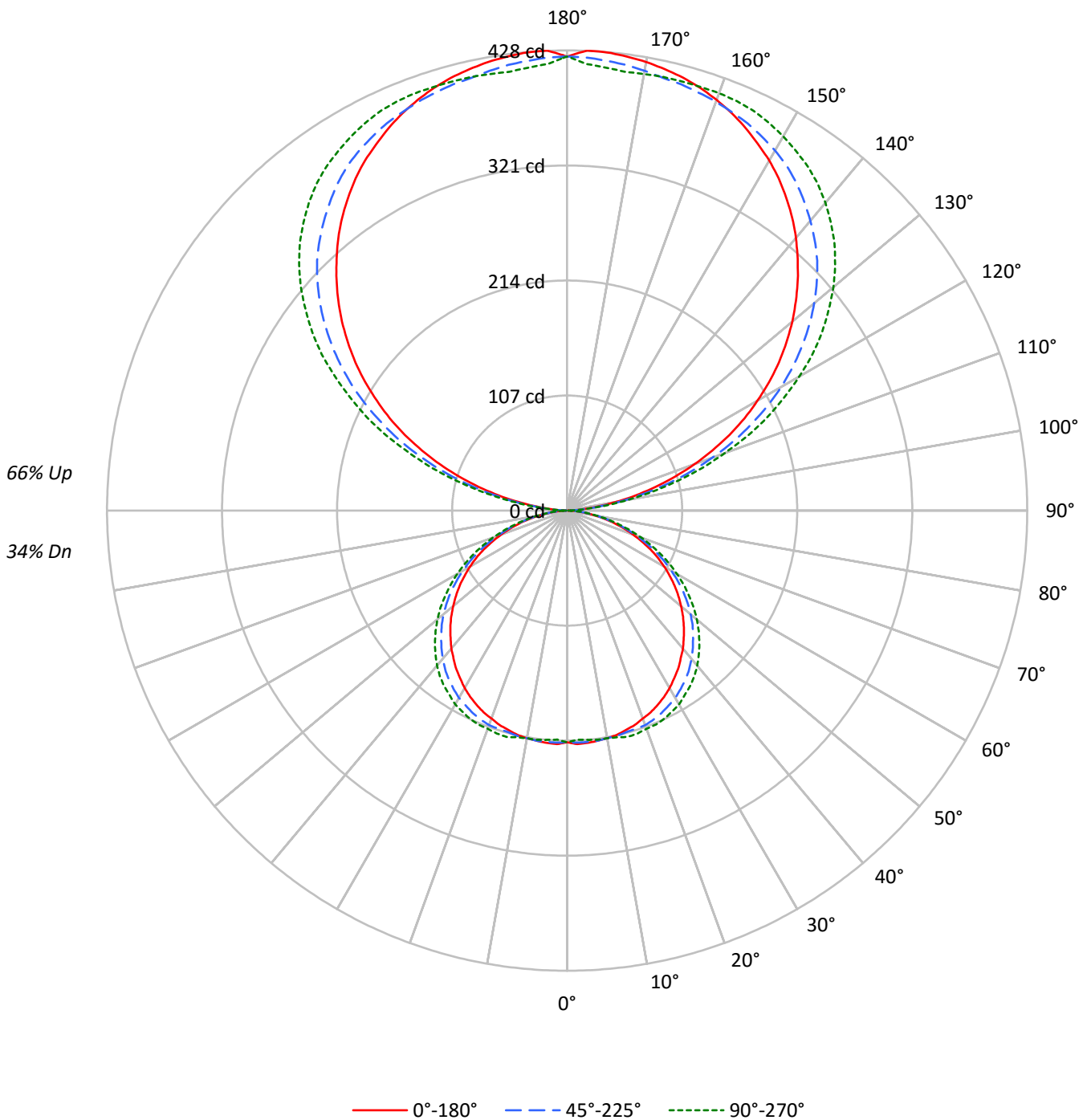
Input Watts (W): 16.2
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	1740	1740	1740
5°	1758	1750	1735
10°	1762	1762	1762
15°	1766	1782	1821
20°	1768	1824	1856
25°	1776	1850	1904
30°	1777	1876	1941
35°	1773	1891	1965
40°	1765	1896	1983
45°	1754	1891	1985
50°	1737	1883	1976
55°	1719	1856	1947
60°	1687	1807	1905
65°	1633	1740	1838
70°	1539	1638	1723
75°	1413	1500	1572
80°	1227	1311	1358
85°	982	1019	1074



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	20.6	1.0
10°-20°	60.5	2.9
20°-30°	95.2	4.6
30°-40°	119.0	5.8
40°-50°	126.9	6.2
50°-60°	117.0	5.7
60°-70°	89.8	4.4
70°-80°	50.9	2.5
80°-90°	13.4	0.7
90°-100°	21.6	1.0
100°-110°	101.7	4.9
110°-120°	184.3	8.9
120°-130°	236.7	11.5
130°-140°	251.8	12.2
140°-150°	231.7	11.2
150°-160°	183.5	8.9
160°-170°	116.5	5.7
170°-180°	40.0	1.9
0°-30°	176.3	8.6
0°-40°	295.3	14.3
0°-60°	539.1	26.2
0°-90°	693.2	33.6
90°-120°	307.6	14.9
90°-150°	1027.9	49.9
90°-180°	1368.0	66.4
0°-180°	2061.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	216	216	216	216	216	
5°	217	215	216	216	214	21
15°	211	210	213	217	218	60
25°	199	200	208	212	214	92
35°	180	183	192	197	199	112
45°	154	158	166	171	174	118
55°	122	126	132	136	138	109
65°	86	87	91	94	96	84
75°	45	46	48	50	50	48
85°	11	11	11	12	12	12
90°	0	0	0	0	0	1
95°	14	15	16	17	18	19
105°	85	89	97	103	106	90
115°	166	174	188	200	205	164
125°	240	248	267	282	290	215
135°	303	308	329	343	352	234
145°	355	354	372	383	390	222
155°	393	387	397	406	410	181
165°	417	410	410	412	413	118
175°	428	423	420	417	414	41
180°	422	422	422	422	422	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	215.5	215.5	215.5	215.5	215.5
2.5°	217.4	215.5	216.0	216.0	213.2
5°	216.9	215.0	216.0	215.5	214.1
7.5°	216.0	214.6	216.0	216.0	215.0
10°	215.0	213.7	215.0	215.5	215.0
12.5°	213.7	212.3	214.6	215.5	216.0
15°	211.3	210.4	213.2	216.9	217.9
17.5°	209.1	208.6	212.8	216.9	217.4
20°	205.8	205.8	212.3	215.5	216.0
22.5°	203.1	203.1	210.4	213.7	215.5
25°	199.4	199.8	207.7	211.9	213.7
27.5°	195.2	196.6	204.4	209.1	210.9
30°	190.6	192.9	201.2	205.8	208.2
32.5°	185.1	188.2	196.6	201.2	203.5
35°	179.9	183.2	191.9	196.6	199.4
37.5°	173.5	177.6	186.4	191.0	194.3
40°	167.5	171.7	179.9	185.1	188.2
42.5°	160.5	165.1	173.0	178.1	181.3
45°	153.6	157.7	165.6	170.7	173.9
47.5°	146.2	150.4	158.3	162.9	166.0
50°	138.3	142.9	149.9	154.5	157.3
52.5°	130.4	134.6	141.1	145.8	148.5
55°	122.1	125.8	131.9	136.0	138.3
57.5°	113.3	117.0	122.1	126.3	128.6
60°	104.5	107.3	111.9	116.1	118.0
62.5°	95.3	97.6	101.7	105.0	107.3
65°	85.5	87.4	91.1	94.3	96.2
67.5°	75.4	77.2	80.4	83.2	84.6
70°	65.2	67.0	69.4	71.6	73.0
72.5°	55.4	56.4	58.7	60.6	61.5
75°	45.3	46.2	48.1	49.9	50.4
77.5°	36.1	36.5	38.0	38.9	39.3
80°	26.4	27.3	28.2	28.6	29.2
82.5°	18.0	18.5	18.9	19.4	19.8
85°	10.6	11.0	11.0	11.6	11.6
87.5°	4.6	5.1	5.1	5.1	5.1
90°	0.5	0.5	0.5	0.0	0.0
92.5°	4.6	4.6	5.1	5.5	6.0
95°	14.3	14.8	16.2	17.1	18.0
97.5°	28.6	29.6	32.3	34.7	35.6
100°	46.2	48.1	52.3	55.4	56.9
102.5°	65.2	67.9	74.0	78.6	80.9
105°	85.1	88.8	97.1	103.1	105.9
107.5°	105.5	110.1	120.7	127.7	131.4
110°	125.8	131.9	143.4	152.6	155.4



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CATALOG NUMBER: J3-FL-20L82765-1D-UNV-W2A-W-4 (2700K)

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	146.2	152.6	166.5	176.7	181.8
115°	166.5	173.5	188.2	199.8	205.4
117.5°	186.0	193.3	209.5	222.5	227.5
120°	204.4	212.3	229.9	243.3	249.3
122.5°	222.9	230.4	248.8	263.1	270.6
125°	240.5	247.9	266.9	281.6	289.5
127.5°	257.2	264.0	284.0	299.2	306.6
130°	273.3	279.8	300.1	315.0	323.3
132.5°	288.6	294.6	315.0	329.3	338.1
135°	303.4	308.0	328.9	343.2	351.6
137.5°	317.3	320.5	340.9	355.3	363.2
140°	331.2	332.1	352.0	365.4	373.7
142.5°	343.7	343.2	362.2	375.1	383.0
145°	355.3	353.9	371.9	383.4	390.4
147.5°	366.3	363.2	380.2	390.0	396.4
150°	376.0	371.9	386.7	396.4	401.9
152.5°	384.3	379.7	392.2	401.0	406.5
155°	392.7	387.2	397.3	405.6	410.3
157.5°	400.1	393.1	401.0	408.4	412.2
160°	406.5	399.7	404.7	410.3	413.1
162.5°	412.2	405.2	407.5	410.7	413.1
165°	416.8	410.3	410.3	411.6	413.1
167.5°	420.4	414.9	412.2	412.6	413.1
170°	423.7	418.1	415.3	412.6	412.2
172.5°	426.0	420.4	418.1	414.4	411.6
175°	427.8	422.8	419.9	416.8	413.5
177.5°	428.3	424.1	421.8	418.6	415.8
180°	422.3	422.3	422.3	422.3	422.3

(END OF REPORT)