

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: P275080

Luminaire Tested: **J3-FL-20L92765-1D-UNV-W2A-W-4 (3000K)**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P275080
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 (3000K)
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 3000K CCT.
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1829.8 lumens
Efficiency: N/A
Efficacy: 113.7 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

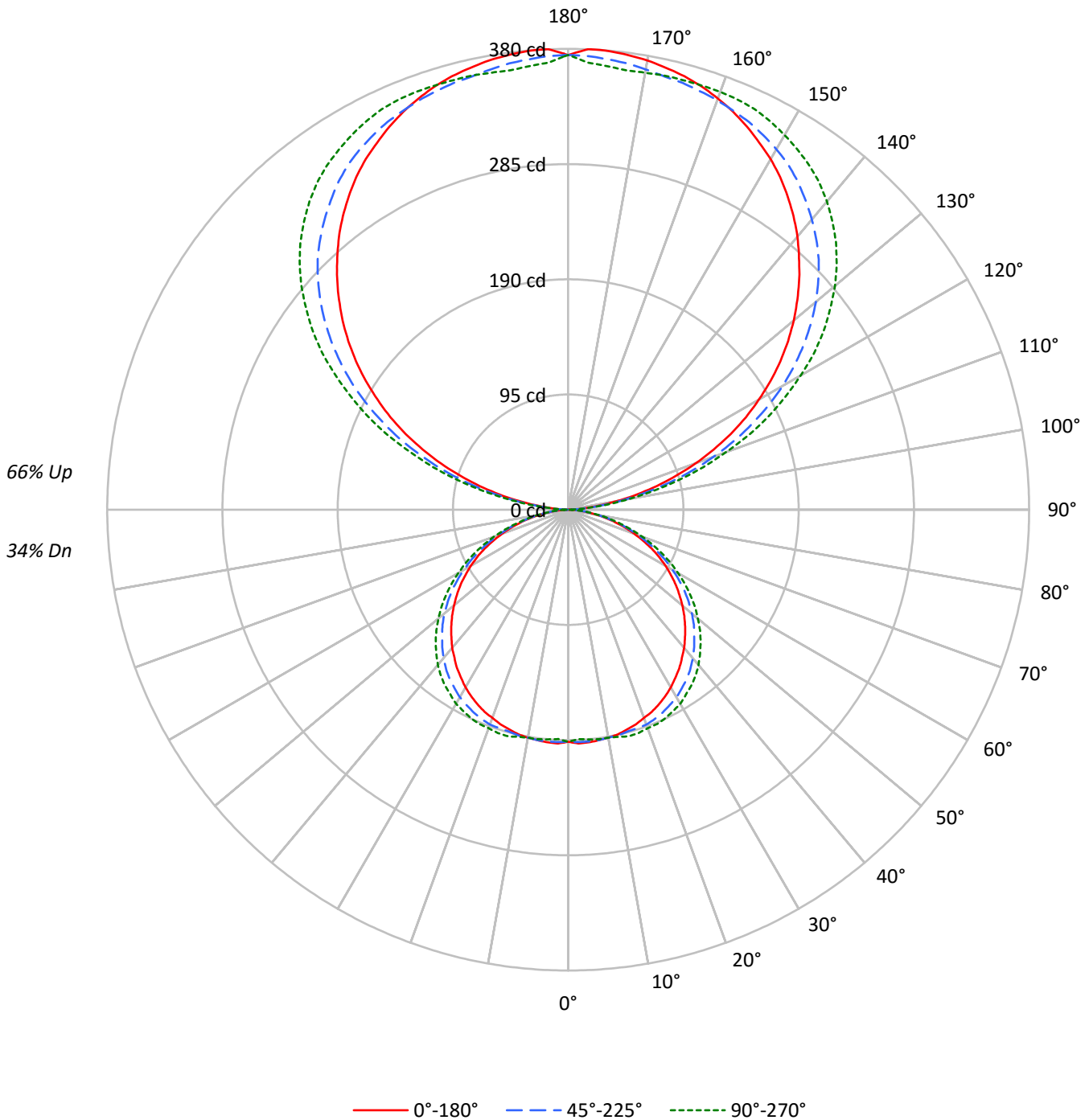
Input Watts (W): 16.1
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	1544	1544	1544
5°	1561	1554	1541
10°	1565	1565	1565
15°	1568	1582	1616
20°	1570	1619	1648
25°	1577	1643	1690
30°	1577	1665	1723
35°	1574	1679	1744
40°	1567	1683	1761
45°	1556	1678	1763
50°	1542	1672	1753
55°	1526	1648	1728
60°	1497	1605	1690
65°	1450	1543	1631
70°	1367	1454	1530
75°	1254	1332	1397
80°	1088	1162	1204
85°	871	908	954



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	18.3	1.0
10°-20°	53.7	2.9
20°-30°	84.5	4.6
30°-40°	105.6	5.8
40°-50°	112.6	6.2
50°-60°	103.8	5.7
60°-70°	79.7	4.4
70°-80°	45.2	2.5
80°-90°	11.9	0.6
90°-100°	19.2	1.0
100°-110°	90.3	4.9
110°-120°	163.6	8.9
120°-130°	210.2	11.5
130°-140°	223.6	12.2
140°-150°	205.7	11.2
150°-160°	162.9	8.9
160°-170°	103.4	5.7
170°-180°	35.5	1.9
0°-30°	156.5	8.6
0°-40°	262.1	14.3
0°-60°	478.6	26.2
0°-90°	615.4	33.6
90°-120°	273.1	14.9
90°-150°	912.6	49.9
90°-180°	1214.0	66.3
0°-180°	1829.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	191	191	191	191	191	
5°	193	191	192	191	190	18
15°	188	187	189	193	193	53
25°	177	177	184	188	190	82
35°	160	163	170	174	177	100
45°	136	140	147	152	154	105
55°	108	112	117	121	123	97
65°	76	78	81	84	85	75
75°	40	41	43	44	45	43
85°	9	10	10	10	10	11
90°	0	0	0	0	0	1
95°	13	13	14	15	16	16
105°	76	79	86	92	94	80
115°	148	154	167	177	182	146
125°	214	220	237	250	257	191
135°	269	274	292	305	312	208
145°	315	314	330	340	347	197
155°	349	344	353	360	364	161
165°	370	364	364	365	367	104
175°	380	375	373	370	367	36
180°	375	375	375	375	375	



TEST NUMBER: P275080

CATALOG NUMBER: J3-FL-20L92765-1D-UNV-W2A-W-4 (3000K)

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	191.3	191.3	191.3	191.3	191.3
2.5°	193.0	191.3	191.8	191.8	189.3
5°	192.6	190.9	191.8	191.3	190.1
7.5°	191.8	190.5	191.8	191.8	190.9
10°	190.9	189.7	190.9	191.3	190.9
12.5°	189.7	188.5	190.5	191.3	191.8
15°	187.6	186.8	189.3	192.6	193.4
17.5°	185.6	185.2	188.9	192.6	193.0
20°	182.7	182.7	188.5	191.3	191.8
22.5°	180.3	180.3	186.8	189.7	191.3
25°	177.0	177.4	184.4	188.1	189.7
27.5°	173.3	174.5	181.5	185.6	187.2
30°	169.2	171.2	178.6	182.7	184.8
32.5°	164.3	167.1	174.5	178.6	180.7
35°	159.7	162.6	170.4	174.5	177.0
37.5°	154.0	157.7	165.5	169.6	172.5
40°	148.7	152.4	159.7	164.3	167.1
42.5°	142.5	146.6	153.6	158.1	160.9
45°	136.3	140.0	147.0	151.5	154.4
47.5°	129.8	133.5	140.5	144.6	147.4
50°	122.8	126.8	133.1	137.1	139.6
52.5°	115.7	119.5	125.2	129.4	131.8
55°	108.4	111.7	117.1	120.8	122.8
57.5°	100.6	103.8	108.4	112.1	114.1
60°	92.7	95.2	99.4	103.0	104.7
62.5°	84.6	86.7	90.3	93.3	95.2
65°	75.9	77.6	80.8	83.8	85.4
67.5°	67.0	68.6	71.4	73.9	75.1
70°	57.9	59.5	61.6	63.6	64.8
72.5°	49.2	50.1	52.1	53.8	54.6
75°	40.2	41.0	42.7	44.3	44.8
77.5°	32.1	32.4	33.7	34.5	34.9
80°	23.4	24.2	25.0	25.4	25.9
82.5°	16.0	16.4	16.8	17.2	17.6
85°	9.4	9.8	9.8	10.3	10.3
87.5°	4.1	4.5	4.5	4.5	4.5
90°	0.4	0.4	0.4	0.0	0.0
92.5°	4.1	4.1	4.5	4.9	5.3
95°	12.7	13.1	14.4	15.2	16.0
97.5°	25.4	26.3	28.7	30.8	31.6
100°	41.0	42.7	46.4	49.2	50.5
102.5°	57.9	60.3	65.7	69.8	71.9
105°	75.6	78.9	86.2	91.6	94.1
107.5°	93.6	97.8	107.2	113.3	116.6
110°	111.7	117.1	127.3	135.5	137.9



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	129.8	135.5	147.8	156.9	161.4
115°	147.8	154.0	167.1	177.4	182.3
117.5°	165.1	171.6	186.0	197.5	202.0
120°	181.5	188.5	204.1	216.0	221.3
122.5°	197.9	204.5	220.9	233.6	240.3
125°	213.5	220.1	237.0	250.0	257.1
127.5°	228.4	234.4	252.2	265.7	272.2
130°	242.7	248.4	266.5	279.7	287.1
132.5°	256.2	261.6	279.7	292.4	300.2
135°	269.4	273.5	292.0	304.7	312.1
137.5°	281.7	284.6	302.7	315.4	322.4
140°	294.0	294.9	312.5	324.4	331.8
142.5°	305.1	304.7	321.5	333.0	340.0
145°	315.4	314.2	330.1	340.4	346.6
147.5°	325.2	322.4	337.5	346.2	351.9
150°	333.8	330.1	343.3	351.9	356.8
152.5°	341.2	337.1	348.2	356.0	360.9
155°	348.6	343.7	352.7	360.1	364.3
157.5°	355.2	349.0	356.0	362.6	365.9
160°	360.9	354.8	359.3	364.3	366.7
162.5°	365.9	359.7	361.8	364.6	366.7
165°	370.0	364.3	364.3	365.4	366.7
167.5°	373.2	368.3	365.9	366.3	366.7
170°	376.2	371.2	368.7	366.3	365.9
172.5°	378.2	373.2	371.2	367.9	365.4
175°	379.8	375.4	372.8	370.0	367.1
177.5°	380.2	376.5	374.5	371.6	369.1
180°	374.9	374.9	374.9	374.9	374.9

(END OF REPORT)