

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: P253343

Luminaire Tested: **J3-FL-20L835-1D-UNV-STD-W-4**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P253343
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-20L835-1D-UNV-STD-W-4
Description: JAYLUM J3 SUSPENDED LED LUMINAIRE, FROSTED LENS, FROSTED TOP.
Light Source: (224) 3500K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

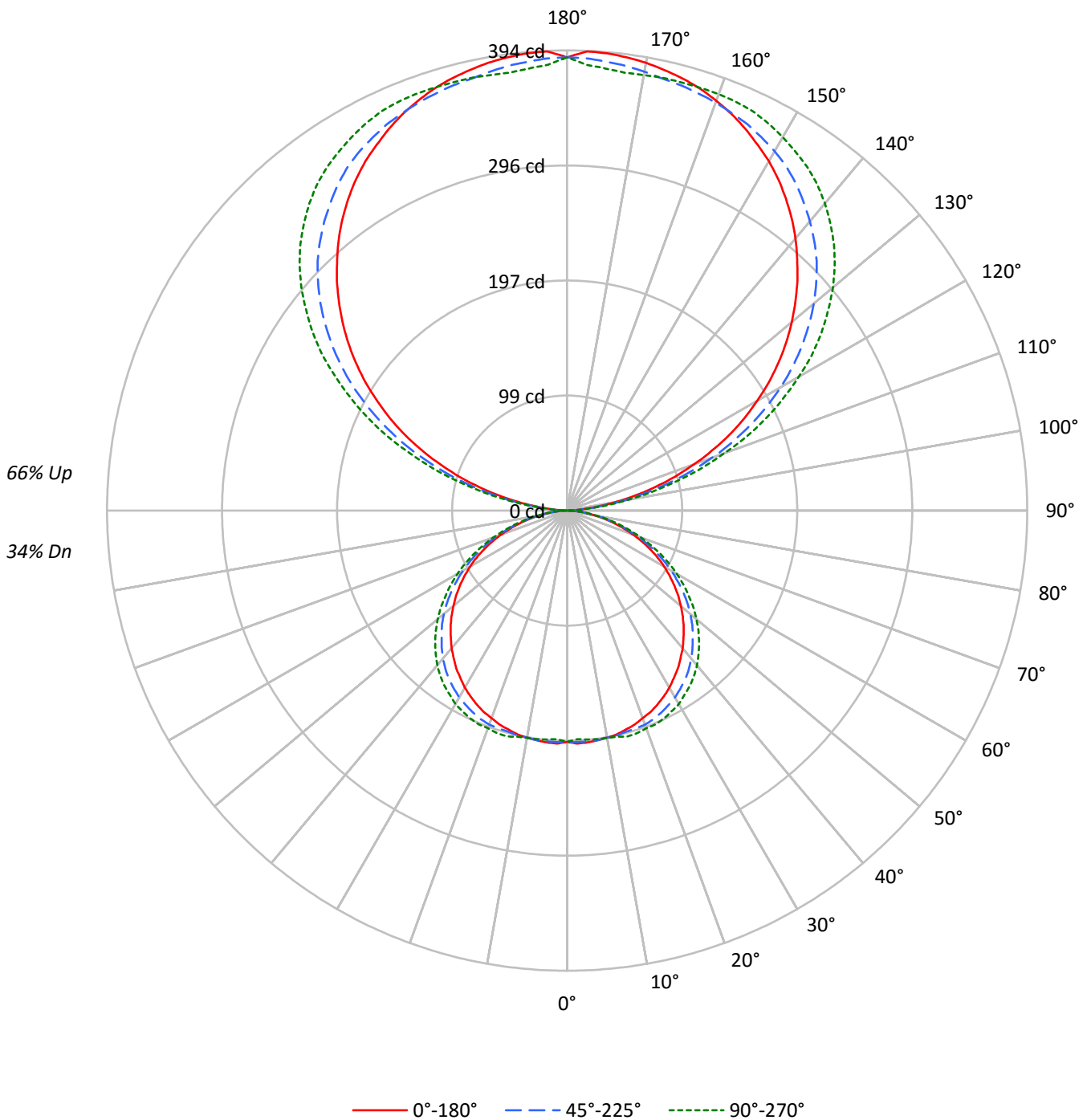
Lumens per Lamp: N/A
Luminaire Lumens: 1893.5 lumens
Efficiency: N/A
Efficacy: 147.9 lumens/watt
Spacing Criteria (0/90/45): 1.31 / 1.42 / 1.48
Luminous Opening: Rectangular (W 0.33' x L: 4' x H: 0')
CIE Type: Semi-Indirect

Input Watts (W): 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



TEST NUMBER: P253343
CATALOG NUMBER: J3-FL-20L835-1D-UNV-STD-W-4

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°	1598	1598	1598
5°	1615	1608	1594
10°	1619	1619	1619
15°	1622	1637	1673
20°	1625	1675	1704
25°	1632	1700	1749
30°	1632	1723	1783
35°	1629	1737	1805
40°	1622	1742	1822
45°	1611	1737	1824
50°	1595	1729	1815
55°	1578	1704	1787
60°	1550	1660	1750
65°	1501	1599	1689
70°	1414	1506	1584
75°	1298	1379	1444
80°	1130	1204	1246
85°	898	936	991



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	18.9	1.0
10°-20°	55.6	2.9
20°-30°	87.5	4.6
30°-40°	109.3	5.8
40°-50°	116.5	6.2
50°-60°	107.4	5.7
60°-70°	82.5	4.4
70°-80°	46.8	2.5
80°-90°	12.3	0.7
90°-100°	19.9	1.0
100°-110°	93.4	4.9
110°-120°	169.3	8.9
120°-130°	217.5	11.5
130°-140°	231.4	12.2
140°-150°	212.9	11.2
150°-160°	168.6	8.9
160°-170°	107.0	5.7
170°-180°	36.7	1.9
0°-30°	161.9	8.6
0°-40°	271.3	14.3
0°-60°	495.2	26.2
0°-90°	636.8	33.6
90°-120°	282.6	14.9
90°-150°	944.4	49.9
90°-180°	1257.0	66.4
0°-180°	1893.5	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	198	198	198	198	198	
5°	199	198	198	198	197	19
15°	194	193	196	199	200	55
25°	183	184	191	195	196	84
35°	165	168	176	181	183	103
45°	141	145	152	157	160	109
55°	112	116	121	125	127	100
65°	79	80	84	87	88	78
75°	42	42	44	46	46	44
85°	10	10	10	11	11	11
90°	0	0	0	0	0	1
95°	13	14	15	16	16	17
105°	78	82	89	95	97	83
115°	153	159	173	184	189	151
125°	221	228	245	259	266	197
135°	279	283	302	315	323	215
145°	326	325	342	352	359	204
155°	361	356	365	373	377	166
165°	383	377	377	378	380	108
175°	393	388	386	383	380	37
180°	388	388	388	388	388	



TEST NUMBER: P253343

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	198.0	198.0	198.0	198.0	198.0
2.5°	199.7	198.0	198.4	198.4	195.9
5°	199.3	197.5	198.4	198.0	196.7
7.5°	198.4	197.2	198.4	198.4	197.5
10°	197.5	196.3	197.5	198.0	197.5
12.5°	196.3	195.0	197.2	198.0	198.4
15°	194.1	193.3	195.9	199.3	200.2
17.5°	192.1	191.6	195.5	199.3	199.7
20°	189.1	189.1	195.0	198.0	198.4
22.5°	186.6	186.6	193.3	196.3	198.0
25°	183.2	183.6	190.8	194.7	196.3
27.5°	179.3	180.6	187.8	192.1	193.8
30°	175.1	177.2	184.8	189.1	191.3
32.5°	170.0	172.9	180.6	184.8	187.0
35°	165.3	168.3	176.3	180.6	183.2
37.5°	159.4	163.2	171.2	175.5	178.5
40°	153.9	157.7	165.3	170.0	172.9
42.5°	147.4	151.7	158.9	163.6	166.6
45°	141.1	144.9	152.1	156.8	159.8
47.5°	134.3	138.1	145.4	149.6	152.5
50°	127.0	131.3	137.7	141.9	144.5
52.5°	119.8	123.6	129.6	133.9	136.4
55°	112.1	115.5	121.1	125.0	127.0
57.5°	104.1	107.5	112.1	116.0	118.1
60°	96.0	98.5	102.8	106.6	108.4
62.5°	87.5	89.7	93.5	96.5	98.5
65°	78.6	80.3	83.7	86.7	88.4
67.5°	69.3	71.0	73.9	76.5	77.8
70°	59.9	61.6	63.8	65.8	67.1
72.5°	50.9	51.8	54.0	55.7	56.5
75°	41.6	42.5	44.2	45.9	46.3
77.5°	33.2	33.6	34.9	35.7	36.1
80°	24.3	25.1	25.9	26.3	26.8
82.5°	16.5	17.0	17.4	17.8	18.2
85°	9.7	10.1	10.1	10.7	10.7
87.5°	4.2	4.7	4.7	4.7	4.7
90°	0.5	0.5	0.5	0.0	0.0
92.5°	4.2	4.2	4.7	5.1	5.5
95°	13.1	13.6	14.9	15.7	16.5
97.5°	26.3	27.2	29.7	31.9	32.7
100°	42.5	44.2	48.1	50.9	52.3
102.5°	59.9	62.4	68.0	72.2	74.4
105°	78.2	81.6	89.2	94.8	97.3
107.5°	96.9	101.2	110.9	117.3	120.7
110°	115.5	121.1	131.7	140.2	142.8



TEST NUMBER: P253343

CATALOG NUMBER: J3-FL-20L835-1D-UNV-STD-W-4

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	134.3	140.2	153.0	162.3	167.0
115°	153.0	159.4	172.9	183.6	188.7
117.5°	170.9	177.6	192.5	204.4	209.0
120°	187.8	195.0	211.2	223.5	229.1
122.5°	204.8	211.7	228.6	241.7	248.6
125°	221.0	227.8	245.2	258.7	266.0
127.5°	236.3	242.6	260.9	274.9	281.7
130°	251.1	257.1	275.8	289.4	297.1
132.5°	265.2	270.7	289.4	302.6	310.7
135°	278.8	283.0	302.1	315.3	323.0
137.5°	291.5	294.5	313.2	326.4	333.6
140°	304.2	305.1	323.4	335.7	343.3
142.5°	315.7	315.3	332.7	344.6	351.9
145°	326.4	325.1	341.6	352.2	358.7
147.5°	336.5	333.6	349.3	358.3	364.2
150°	345.4	341.6	355.3	364.2	369.2
152.5°	353.1	348.8	360.3	368.4	373.5
155°	360.8	355.7	365.0	372.6	376.9
157.5°	367.6	361.1	368.4	375.2	378.7
160°	373.5	367.2	371.8	376.9	379.5
162.5°	378.7	372.3	374.4	377.3	379.5
165°	382.9	376.9	376.9	378.1	379.5
167.5°	386.2	381.2	378.7	379.1	379.5
170°	389.3	384.1	381.5	379.1	378.7
172.5°	391.4	386.2	384.1	380.7	378.1
175°	393.0	388.4	385.8	382.9	379.9
177.5°	393.5	389.6	387.5	384.6	382.0
180°	388.0	388.0	388.0	388.0	388.0

(END OF REPORT)