

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: P275082

Luminaire Tested: **J3-FL-20L92765-1D-UNV-W2A-W-4 (4000K)**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P275082
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 (4000K)
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 4000K CCT.
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1982.5 lumens
Efficiency: N/A
Efficacy: 120.9 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

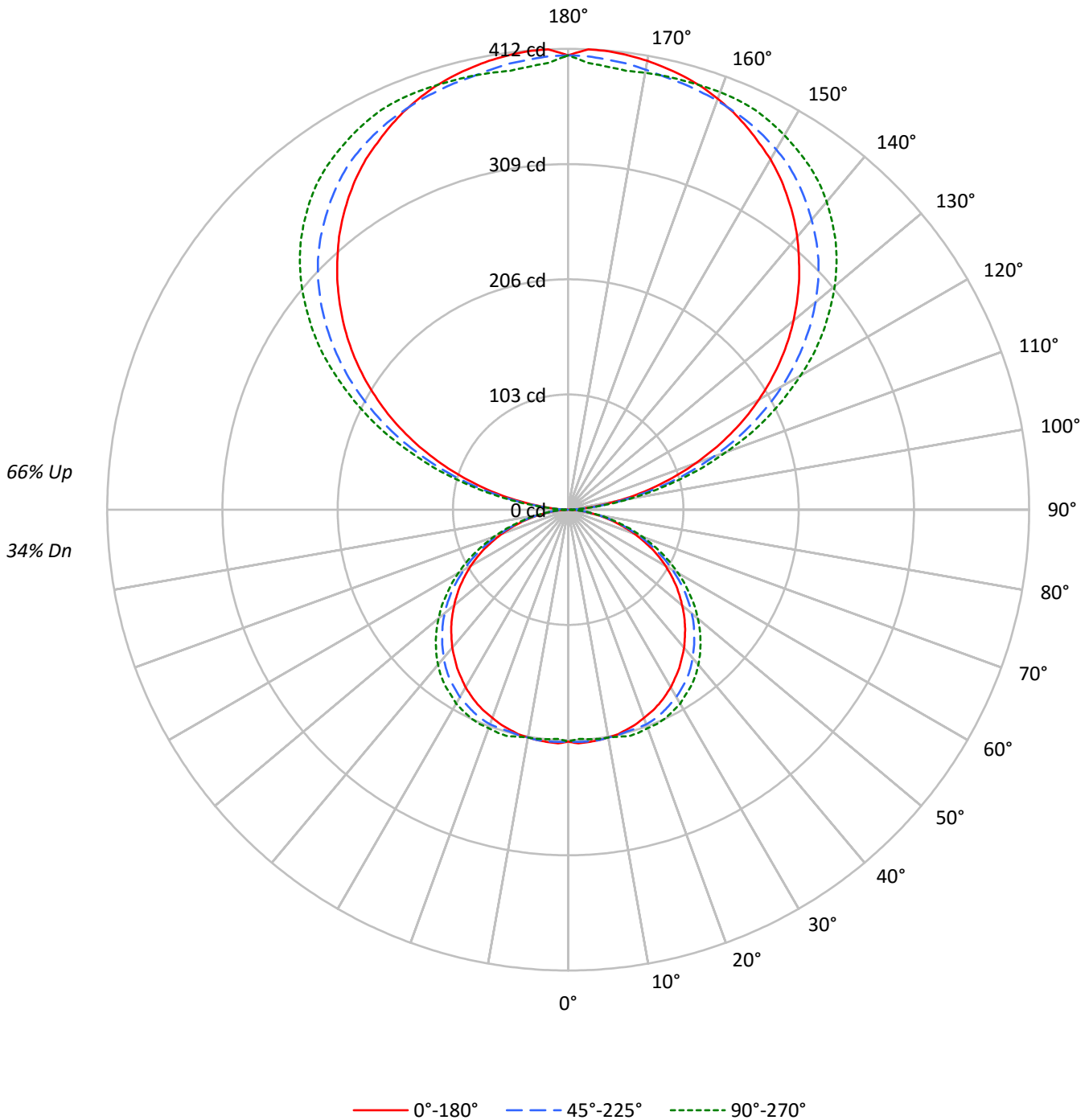
Input Watts (W): 16.4
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	1674	1674	1674
5°	1690	1684	1669
10°	1695	1695	1695
15°	1699	1714	1752
20°	1701	1754	1785
25°	1708	1780	1831
30°	1709	1804	1866
35°	1705	1819	1890
40°	1698	1823	1907
45°	1686	1819	1910
50°	1670	1811	1900
55°	1652	1785	1872
60°	1623	1739	1833
65°	1572	1673	1769
70°	1480	1577	1659
75°	1360	1444	1513
80°	1181	1260	1306
85°	945	982	1037



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	19.8	1.0
10°-20°	58.2	2.9
20°-30°	91.6	4.6
30°-40°	114.5	5.8
40°-50°	122.0	6.2
50°-60°	112.5	5.7
60°-70°	86.4	4.4
70°-80°	49.0	2.5
80°-90°	12.9	0.7
90°-100°	20.8	1.0
100°-110°	97.8	4.9
110°-120°	177.3	8.9
120°-130°	227.7	11.5
130°-140°	242.2	12.2
140°-150°	222.9	11.2
150°-160°	176.5	8.9
160°-170°	112.1	5.7
170°-180°	38.4	1.9
0°-30°	169.5	8.6
0°-40°	284.0	14.3
0°-60°	518.5	26.2
0°-90°	666.8	33.6
90°-120°	295.9	14.9
90°-150°	988.7	49.9
90°-180°	1316.0	66.4
0°-180°	1982.5	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	207	207	207	207	207	
5°	209	207	208	207	206	20
15°	203	202	205	209	210	57
25°	192	192	200	204	206	88
35°	173	176	185	189	192	108
45°	148	152	159	164	167	114
55°	117	121	127	131	133	105
65°	82	84	88	91	93	81
75°	44	44	46	48	48	46
85°	10	11	11	11	11	12
90°	0	0	0	0	0	1
95°	14	14	16	16	17	18
105°	82	85	93	99	102	87
115°	160	167	181	192	198	158
125°	231	238	257	271	278	206
135°	292	296	316	330	338	225
145°	342	340	358	369	376	214
155°	378	372	382	390	395	174
165°	401	395	395	396	397	113
175°	412	407	404	401	398	39
180°	406	406	406	406	406	



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CATALOG NUMBER: J3-FL-20L92765-1D-UNV-W2A-W-4 (4000K)

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	207.3	207.3	207.3	207.3	207.3
2.5°	209.1	207.3	207.8	207.8	205.1
5°	208.6	206.8	207.8	207.3	205.9
7.5°	207.8	206.4	207.8	207.8	206.8
10°	206.8	205.6	206.8	207.3	206.8
12.5°	205.6	204.2	206.4	207.3	207.8
15°	203.3	202.4	205.1	208.6	209.6
17.5°	201.1	200.6	204.7	208.6	209.1
20°	198.0	198.0	204.2	207.3	207.8
22.5°	195.3	195.3	202.4	205.6	207.3
25°	191.8	192.2	199.8	203.8	205.6
27.5°	187.7	189.1	196.6	201.1	202.9
30°	183.3	185.5	193.5	198.0	200.2
32.5°	178.0	181.0	189.1	193.5	195.7
35°	173.0	176.2	184.6	189.1	191.8
37.5°	166.9	170.8	179.3	183.7	186.9
40°	161.1	165.1	173.0	178.0	181.0
42.5°	154.4	158.8	166.4	171.3	174.4
45°	147.7	151.7	159.3	164.2	167.3
47.5°	140.6	144.6	152.2	156.7	159.7
50°	133.0	137.4	144.2	148.6	151.3
52.5°	125.4	129.4	135.7	140.2	142.8
55°	117.4	121.0	126.8	130.9	133.0
57.5°	108.9	112.5	117.4	121.4	123.7
60°	100.5	103.2	107.7	111.6	113.5
62.5°	91.6	93.9	97.9	101.0	103.2
65°	82.3	84.1	87.6	90.7	92.6
67.5°	72.6	74.3	77.4	80.1	81.4
70°	62.7	64.5	66.8	68.9	70.3
72.5°	53.3	54.3	56.5	58.3	59.2
75°	43.6	44.5	46.3	48.0	48.5
77.5°	34.7	35.1	36.6	37.4	37.8
80°	25.4	26.3	27.1	27.5	28.1
82.5°	17.3	17.8	18.2	18.7	19.1
85°	10.2	10.6	10.6	11.2	11.2
87.5°	4.4	4.9	4.9	4.9	4.9
90°	0.5	0.5	0.5	0.0	0.0
92.5°	4.4	4.4	4.9	5.3	5.8
95°	13.8	14.2	15.6	16.5	17.3
97.5°	27.5	28.5	31.1	33.4	34.3
100°	44.5	46.3	50.3	53.3	54.8
102.5°	62.7	65.4	71.2	75.6	77.9
105°	81.9	85.4	93.4	99.2	101.9
107.5°	101.4	105.9	116.1	122.8	126.4
110°	121.0	126.8	137.9	146.8	149.5



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	140.6	146.8	160.1	169.9	174.9
115°	160.1	166.9	181.0	192.2	197.6
117.5°	178.9	185.9	201.5	214.0	218.8
120°	196.6	204.2	221.1	234.0	239.8
122.5°	214.4	221.6	239.3	253.1	260.3
125°	231.3	238.5	256.7	270.9	278.5
127.5°	247.4	254.0	273.2	287.8	295.0
130°	262.9	269.2	288.7	303.0	311.0
132.5°	277.6	283.4	303.0	316.8	325.3
135°	291.9	296.3	316.3	330.1	338.2
137.5°	305.2	308.3	327.9	341.7	349.3
140°	318.5	319.5	338.5	351.4	359.4
142.5°	330.6	330.1	348.4	360.8	368.4
145°	341.7	340.4	357.7	368.8	375.5
147.5°	352.3	349.3	365.7	375.1	381.3
150°	361.7	357.7	371.9	381.3	386.6
152.5°	369.6	365.2	377.2	385.7	391.0
155°	377.7	372.4	382.1	390.1	394.6
157.5°	384.8	378.1	385.7	392.8	396.5
160°	391.0	384.4	389.3	394.6	397.3
162.5°	396.5	389.7	392.0	395.0	397.3
165°	400.9	394.6	394.6	395.9	397.3
167.5°	404.4	399.1	396.5	396.9	397.3
170°	407.5	402.2	399.5	396.9	396.5
172.5°	409.8	404.4	402.2	398.6	395.9
175°	411.5	406.7	403.9	400.9	397.7
177.5°	412.0	407.9	405.7	402.6	399.9
180°	406.2	406.2	406.2	406.2	406.2

(END OF REPORT)