

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: P253483

Luminaire Tested: **J3-CL-30L93050-1D-UNV-W2A-W-4 (4000K)**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P253483
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1707-177-16)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: J3-CL-30L93050-1D-UNV-W2A-W-4 (4000K)
Description: JAYLUM J3 SUSPENDED LED LUMINAIRE, FROSTED LENS, CLEAR TOP.
3000K-5000K CCT VividTune LIGHT ENGINE.
Light Source: (336) 3000K-5000K CCT, 90 CRI LEDS, TUNED TO 4000K CCT.
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2650.1 lumens
Efficiency: N/A
Efficacy: 125.0 lumens/watt
Spacing Criteria (0/90/45): 1.31 / 1.33 / 1.46
Luminous Opening: Rectangular (W 0.33' x L: 4' x H: 0')
CIE Type: Semi-Indirect

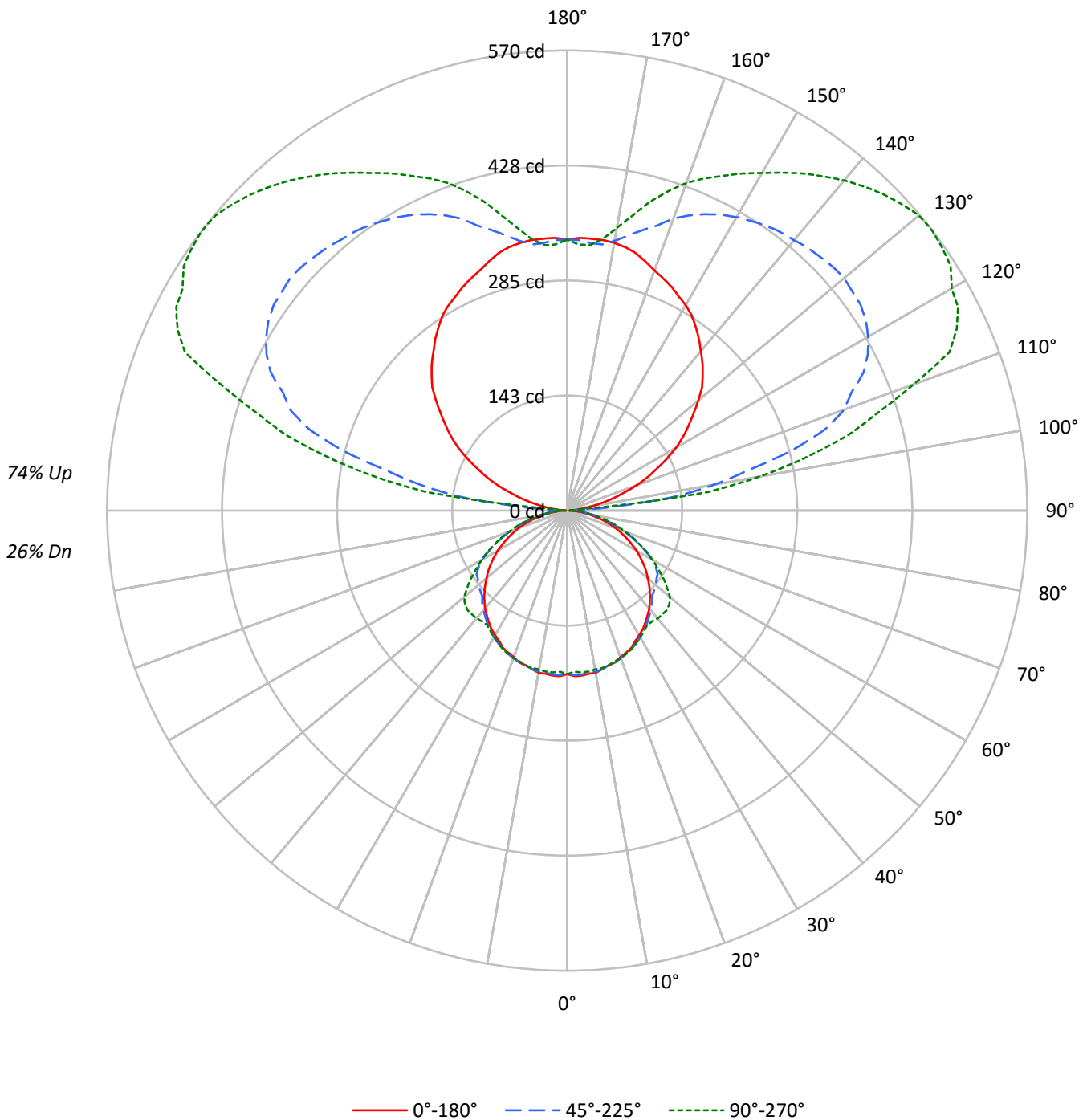
Input Watts (W): 21.2
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	101	101	101	101	90	90	90	90	70	70	70	51	51	51	34	34	34	26
1	92	88	84	80	82	78	75	72	61	58	56	44	43	42	29	28	28	21
2	84	76	70	65	74	68	63	59	53	49	46	38	36	34	25	24	23	17
3	76	67	60	54	67	60	54	49	46	42	38	34	31	29	22	21	19	14
4	69	59	51	45	61	53	46	41	41	36	32	30	27	24	20	18	16	12
5	63	52	44	38	56	47	40	35	36	31	28	27	23	21	18	16	14	10
6	58	46	39	33	52	42	35	30	32	28	24	24	21	18	16	14	12	9
7	54	42	34	29	48	37	31	26	29	24	21	22	18	16	14	12	11	8
8	50	38	30	25	44	34	27	23	26	22	18	20	16	14	13	11	9	7
9	46	34	27	22	41	31	24	20	24	19	16	18	15	12	12	10	8	6
10	43	31	24	19	38	28	22	18	22	17	14	16	13	11	11	9	8	6

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1635	1635	1635
5°	1663	1652	1630
10°	1671	1660	1638
15°	1659	1659	1659
20°	1659	1671	1671
25°	1673	1684	1684
30°	1663	1688	1688
35°	1666	1692	1705
40°	1668	1696	1838
45°	1654	1700	1991
50°	1634	1802	2089
55°	1623	1925	2039
60°	1603	1971	1971
65°	1563	1870	1897
70°	1520	1773	1803
75°	1422	1672	1716
80°	1311	1623	1557
85°	1241	1741	1491



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	19.3	0.7
10°-20°	56.0	2.1
20°-30°	86.6	3.3
30°-40°	107.4	4.1
40°-50°	120.2	4.5
50°-60°	117.5	4.4
60°-70°	92.7	3.5
70°-80°	56.1	2.1
80°-90°	20.0	0.8
90°-100°	68.8	2.6
100°-110°	266.2	10.0
110°-120°	365.8	13.8
120°-130°	370.1	14.0
130°-140°	328.0	12.4
140°-150°	259.4	9.8
150°-160°	181.1	6.8
160°-170°	102.5	3.9
170°-180°	32.1	1.2
0°-30°	162.0	6.1
0°-40°	269.4	10.2
0°-60°	507.2	19.1
0°-90°	675.9	25.5
90°-120°	700.8	26.4
90°-150°	1658.4	62.6
90°-180°	1974.0	74.5
0°-180°	2650.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	202	202	202	202	202	
5°	205	202	204	202	201	20
15°	198	197	198	198	198	56
25°	188	185	189	189	189	86
35°	169	169	172	173	173	106
45°	145	146	149	168	174	112
55°	115	117	137	145	145	103
65°	82	86	98	99	99	81
75°	46	54	54	55	55	48
85°	13	22	19	17	16	14
90°	3	8	7	1	1	3
95°	11	54	64	13	13	13
105°	59	190	288	333	359	63
115°	122	258	405	502	532	122
125°	184	298	444	540	567	164
135°	237	327	444	531	554	183
145°	278	335	430	494	510	174
155°	306	327	405	449	457	141
165°	330	329	359	390	396	93
175°	338	334	333	333	330	32
180°	335	335	335	335	335	



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CATALOG NUMBER: J3-CL-30L93050-1D-UNV-W2A-W-4 (4000K)

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	202.5	202.5	202.5	202.5	202.5
2.5°	205.2	202.5	203.9	202.5	199.8
5°	205.2	202.5	203.9	202.5	201.2
7.5°	203.9	202.5	202.5	201.2	201.2
10°	203.9	201.2	202.5	201.2	199.8
12.5°	201.2	199.8	201.2	199.8	199.8
15°	198.5	197.2	198.5	198.5	198.5
17.5°	197.2	194.5	197.2	197.2	195.8
20°	193.1	191.8	194.5	194.5	194.5
22.5°	190.5	189.1	191.8	191.8	191.8
25°	187.8	185.1	189.1	189.1	189.1
27.5°	182.4	182.4	185.1	186.4	185.1
30°	178.4	177.0	181.1	182.4	181.1
32.5°	174.4	173.0	177.0	178.4	177.0
35°	169.0	169.0	171.7	173.0	173.0
37.5°	163.6	163.6	166.3	167.7	173.0
40°	158.3	158.3	160.9	169.0	174.4
42.5°	151.6	151.6	155.6	167.7	174.4
45°	144.9	146.2	148.9	167.7	174.4
47.5°	138.1	139.5	146.2	166.3	171.7
50°	130.1	132.8	143.5	162.3	166.3
52.5°	123.4	124.7	139.5	155.6	155.6
55°	115.3	116.7	136.8	144.9	144.9
57.5°	107.3	108.6	130.1	132.8	132.8
60°	99.3	100.6	122.1	122.1	122.1
62.5°	89.9	92.5	110.0	111.3	111.3
65°	81.8	85.8	97.9	99.3	99.3
67.5°	72.4	79.1	87.2	88.5	88.5
70°	64.4	72.4	75.1	76.4	76.4
72.5°	55.0	63.0	64.4	65.7	65.7
75°	45.6	53.6	53.6	55.0	55.0
77.5°	36.2	42.9	44.3	44.3	44.3
80°	28.2	32.2	34.9	33.5	33.5
82.5°	20.1	25.5	25.5	25.5	24.1
85°	13.4	21.5	18.8	17.4	16.1
87.5°	8.0	18.8	10.7	9.4	9.4
90°	2.7	8.0	6.7	1.3	1.3
92.5°	5.4	13.4	6.7	5.4	4.0
95°	10.7	53.6	64.4	13.4	13.4
97.5°	20.1	89.9	138.1	163.6	175.7
100°	30.8	134.1	185.1	226.7	241.4
102.5°	44.3	162.3	228.0	280.3	301.8
105°	59.0	190.5	288.4	332.6	359.4
107.5°	73.8	211.9	335.3	384.9	403.7
110°	91.2	229.3	364.8	450.7	456.0



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	107.3	242.8	380.9	482.8	512.3
115°	122.1	257.5	405.1	501.6	532.5
117.5°	139.5	268.2	419.8	512.3	545.9
120°	155.6	277.6	430.5	525.8	549.9
122.5°	170.3	288.4	438.6	536.5	563.3
125°	183.7	297.8	443.9	540.5	567.3
127.5°	197.2	305.8	445.3	541.9	570.0
130°	211.9	313.8	448.0	540.5	568.7
132.5°	226.7	321.9	446.6	536.5	562.0
135°	237.4	327.3	443.9	531.1	553.9
137.5°	248.1	331.3	441.3	523.1	544.5
140°	257.5	334.0	437.2	513.7	533.8
142.5°	268.2	335.3	434.6	504.3	521.7
145°	277.6	335.3	430.5	493.6	509.7
147.5°	287.0	334.0	425.2	482.8	496.3
150°	293.7	331.3	419.8	472.1	482.8
152.5°	299.1	328.6	413.1	460.0	470.8
155°	305.8	327.3	405.1	449.3	457.4
157.5°	311.2	327.3	395.7	437.2	445.3
160°	316.5	327.3	384.9	425.2	431.9
162.5°	323.2	327.3	370.2	407.7	414.4
165°	329.9	328.6	359.4	390.3	395.7
167.5°	334.0	328.6	348.7	368.8	374.2
170°	336.6	331.3	339.3	354.1	355.4
172.5°	338.0	334.0	332.6	339.3	339.3
175°	338.0	334.0	332.6	332.6	329.9
177.5°	338.0	335.3	335.3	334.0	329.9
180°	335.3	335.3	335.3	335.3	335.3

(END OF REPORT)