

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: P253534

Luminaire Tested: **J3-FL-60L93050-1D-UNV-W2A-W-4 (3000K)**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P253534
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-60L93050-1D-UNV-W2A-W-4 (3000K)
Description: JAYLUM J3 SUSPENDED LED LUMINAIRE, FROSTED LENS, FROSTED TOP.
3000K-5000K CCT VividTune LIGHT ENGINE.
Light Source: (336) 3000K-5000K CCT, 90 CRI LEDS, TUNED TO 3000K CCT.
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4502.6 lumens
Efficiency: N/A
Efficacy: 99.8 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

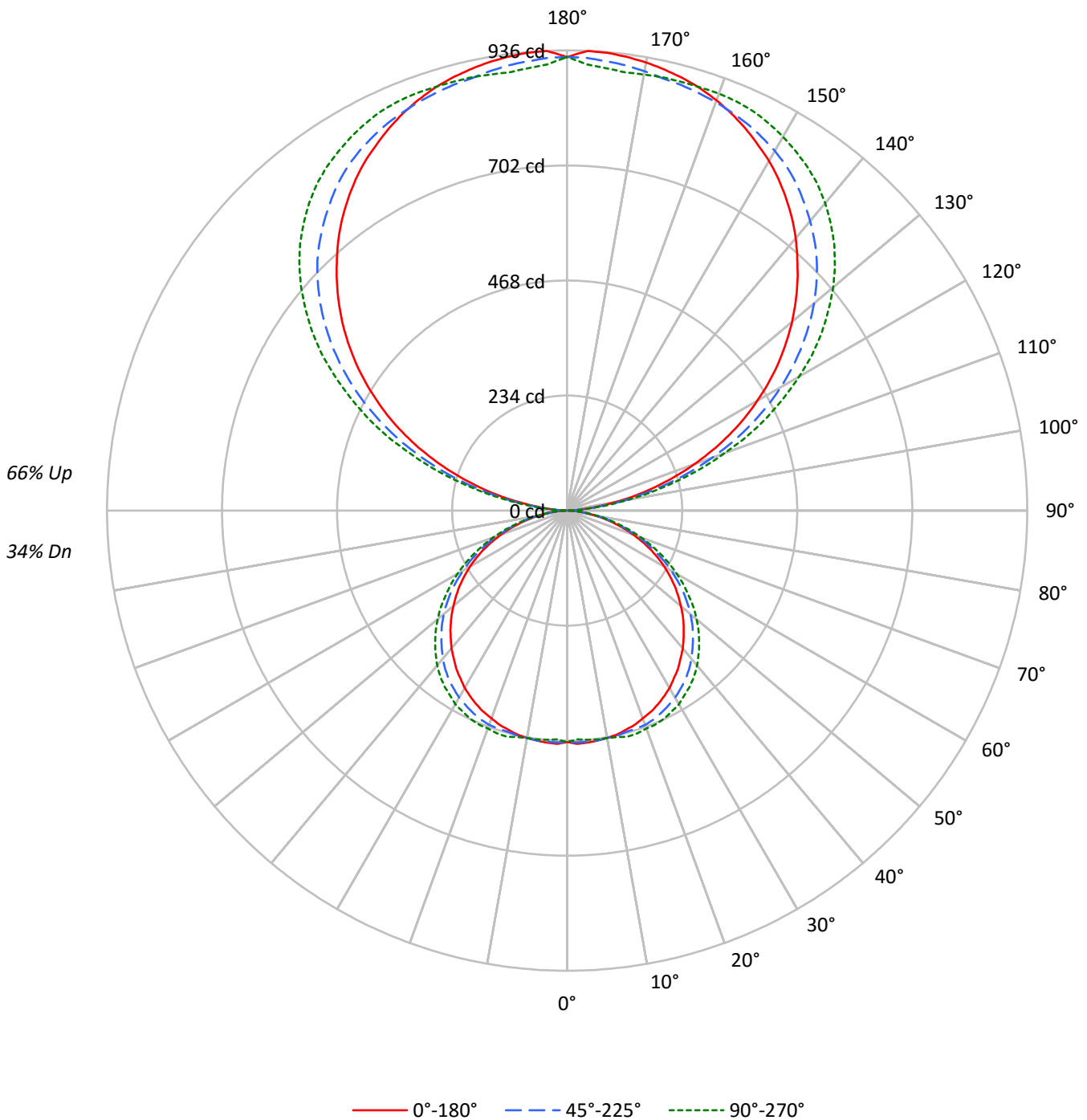
Input Watts (W): 45.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	3801	3801	3801
5°	3840	3824	3790
10°	3850	3850	3850
15°	3858	3893	3978
20°	3863	3985	4054
25°	3880	4041	4158
30°	3882	4097	4240
35°	3873	4131	4293
40°	3856	4142	4332
45°	3830	4129	4337
50°	3794	4112	4315
55°	3754	4055	4252
60°	3684	3949	4161
65°	3570	3799	4015
70°	3364	3581	3767
75°	3088	3278	3437
80°	2682	2864	2966
85°	2149	2232	2343



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	44.9	1.0
10°-20°	132.1	2.9
20°-30°	208.1	4.6
30°-40°	260.0	5.8
40°-50°	277.1	6.2
50°-60°	255.5	5.7
60°-70°	196.2	4.4
70°-80°	111.2	2.5
80°-90°	29.3	0.7
90°-100°	47.2	1.0
100°-110°	222.1	4.9
110°-120°	402.6	8.9
120°-130°	517.2	11.5
130°-140°	550.2	12.2
140°-150°	506.3	11.2
150°-160°	400.9	8.9
160°-170°	254.5	5.7
170°-180°	87.3	1.9
0°-30°	385.1	8.6
0°-40°	645.0	14.3
0°-60°	1177.6	26.2
0°-90°	1514.4	33.6
90°-120°	672.0	14.9
90°-150°	2245.6	49.9
90°-180°	2988.0	66.4
0°-180°	4502.6	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	471	471	471	471	471	
5°	474	470	472	471	468	45
15°	462	460	466	474	476	130
25°	436	436	454	463	467	201
35°	393	400	419	430	436	246
45°	336	344	362	373	380	259
55°	267	275	288	297	302	238
65°	187	191	199	206	210	184
75°	99	101	105	109	110	105
85°	23	24	24	25	25	26
90°	1	1	1	0	0	3
95°	31	32	35	37	39	41
105°	186	194	212	225	231	197
115°	364	379	411	436	449	359
125°	525	542	583	615	632	469
135°	663	673	718	750	768	511
145°	776	773	812	838	853	486
155°	858	846	868	886	896	396
165°	910	896	896	899	902	257
175°	935	924	917	910	903	89
180°	923	923	923	923	923	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	470.8	470.8	470.8	470.8	470.8
2.5°	474.9	470.8	471.9	471.9	465.8
5°	473.9	469.7	471.9	470.8	467.7
7.5°	471.9	468.8	471.9	471.9	469.7
10°	469.7	466.8	469.7	470.8	469.7
12.5°	466.8	463.8	468.8	470.8	471.9
15°	461.6	459.7	465.8	473.9	476.0
17.5°	456.8	455.7	464.9	473.9	474.9
20°	449.6	449.6	463.8	470.8	471.9
22.5°	443.7	443.7	459.7	466.8	470.8
25°	435.6	436.5	453.7	462.9	466.8
27.5°	426.4	429.5	446.5	456.8	460.7
30°	416.4	421.4	439.5	449.6	454.8
32.5°	404.3	411.1	429.5	439.5	444.6
35°	393.0	400.2	419.2	429.5	435.6
37.5°	379.0	388.0	407.2	417.3	424.4
40°	365.9	375.0	393.0	404.3	411.1
42.5°	350.6	360.6	377.9	389.0	396.0
45°	335.5	344.5	361.7	372.9	379.9
47.5°	319.3	328.5	345.7	355.8	362.6
50°	302.1	312.1	327.4	337.5	343.6
52.5°	284.8	294.0	308.2	318.4	324.3
55°	266.7	274.8	288.1	297.2	302.1
57.5°	247.4	255.5	266.7	275.8	280.9
60°	228.2	234.3	244.6	253.5	257.7
62.5°	208.1	213.3	222.3	229.5	234.3
65°	186.9	191.0	198.9	206.1	210.2
67.5°	164.8	168.7	175.7	181.9	184.9
70°	142.5	146.5	151.7	156.5	159.6
72.5°	121.1	123.3	128.3	132.4	134.4
75°	99.0	101.0	105.1	109.1	110.2
77.5°	78.9	79.8	83.0	85.0	85.9
80°	57.7	59.7	61.6	62.5	63.8
82.5°	39.4	40.4	41.3	42.4	43.3
85°	23.2	24.1	24.1	25.3	25.3
87.5°	10.1	11.1	11.1	11.1	11.1
90°	1.1	1.1	1.1	0.0	0.0
92.5°	10.1	10.1	11.1	12.0	13.1
95°	31.3	32.3	35.4	37.4	39.4
97.5°	62.5	64.7	70.6	75.8	77.8
100°	101.0	105.1	114.3	121.1	124.3
102.5°	142.5	148.4	161.7	171.8	176.8
105°	186.0	194.1	212.2	225.3	231.4
107.5°	230.4	240.6	263.8	278.9	287.0
110°	274.8	288.1	313.2	333.3	339.4



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	319.3	333.3	363.7	386.0	397.1
115°	363.7	379.0	411.1	436.5	448.7
117.5°	406.3	422.3	457.7	486.1	497.0
120°	446.5	463.8	502.2	531.5	544.7
122.5°	487.0	503.3	543.6	574.8	591.2
125°	525.4	541.6	583.1	615.3	632.5
127.5°	561.9	576.8	620.5	653.7	669.9
130°	597.1	611.3	655.7	688.2	706.4
132.5°	630.5	643.7	688.2	719.5	738.7
135°	662.9	673.0	718.4	749.7	768.0
137.5°	693.1	700.3	744.8	776.1	793.4
140°	723.5	725.6	768.9	798.2	816.4
142.5°	750.8	749.7	791.2	819.4	836.7
145°	776.1	773.0	812.4	837.6	852.8
147.5°	800.2	793.4	830.6	851.9	866.0
150°	821.4	812.4	844.7	866.0	878.0
152.5°	839.5	829.5	856.8	876.0	888.1
155°	857.9	845.8	867.9	886.1	896.3
157.5°	874.0	858.8	876.0	892.2	900.5
160°	888.1	873.1	884.1	896.3	902.4
162.5°	900.5	885.2	890.2	897.2	902.4
165°	910.5	896.3	896.3	899.2	902.4
167.5°	918.4	906.4	900.5	901.4	902.4
170°	925.6	913.4	907.3	901.4	900.5
172.5°	930.6	918.4	913.4	905.3	899.2
175°	934.6	923.6	917.3	910.5	903.3
177.5°	935.7	926.5	921.5	914.5	908.4
180°	922.6	922.6	922.6	922.6	922.6

(END OF REPORT)