

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: P253393

Luminaire Tested: **J2-WL-30L93050-1D-UNV-W2A-DLED-W-4 (4000K)**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P253393
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1707-177-6)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: J2-WL-30L93050-1D-UNV-W2A-DLED-W-4 (4000K)
Description: JAYLUM J2 SUSPENDED LED LUMINAIRE, FROSTED LENS WITH DOWNLIGHT KIT.
3000K-5000K CCT VividTune LIGHT ENGINE.
Light Source: (168) 3000K-5000K CCT, 90 CRI LEDS, TUNED TO 4000K CCT.
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2515.4 lumens
Efficiency: N/A
Efficacy: 94.9 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.17 / 1.3
Luminous Opening: Rectangular (W 0.33' x L: 4' x H: 0')
CIE Type: Semi-Direct

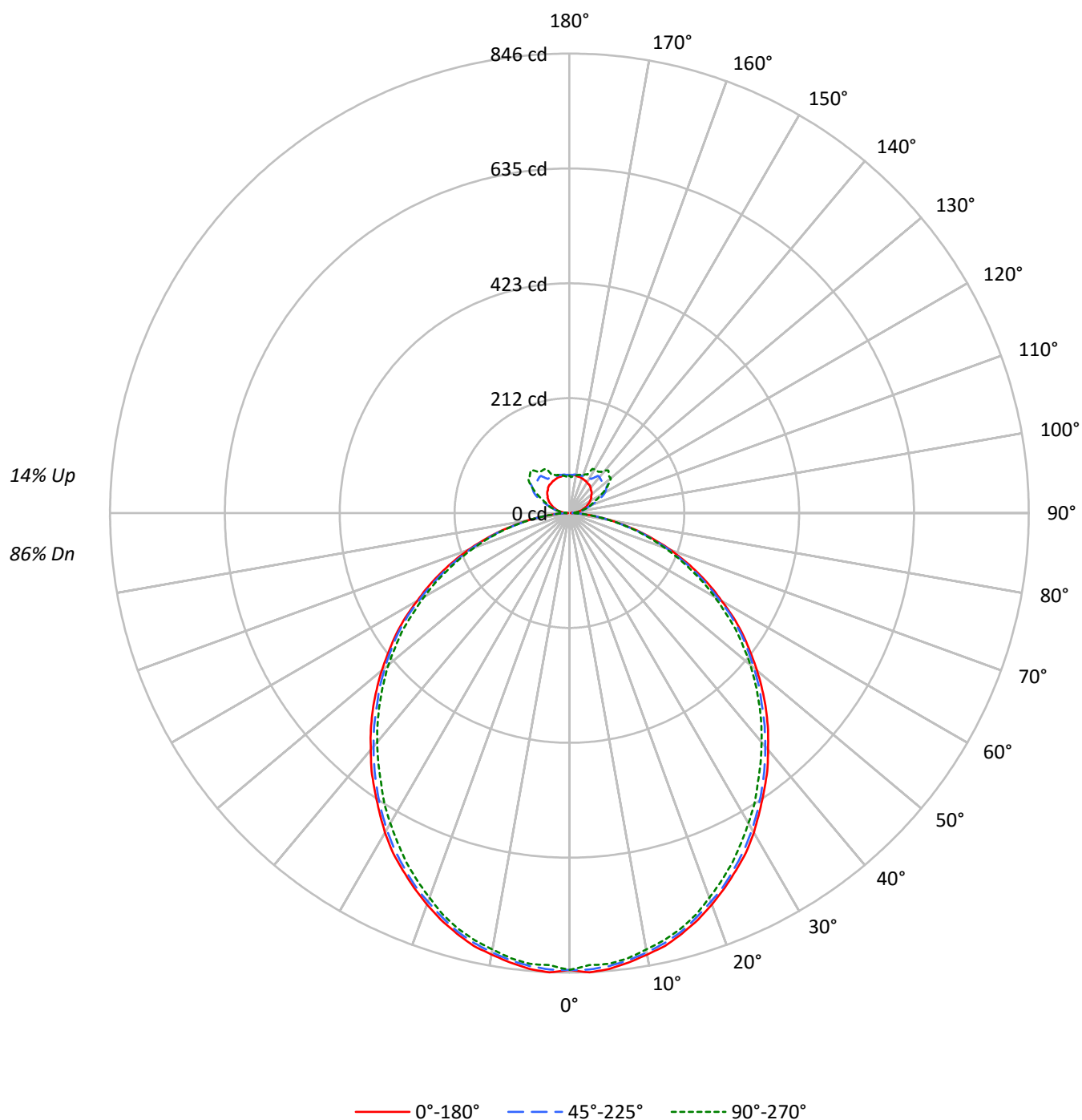
Input Watts (W): 26.5
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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				
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10		
RCR																									
0	116	116	116	116	112	112	112	112	104	104	104	96	96	96	90	90	90	86							
1	106	101	97	94	102	98	94	91	91	88	85	85	83	80	79	77	76	73							
2	97	89	82	77	93	86	80	75	80	75	71	75	71	67	70	67	64	61							
3	88	78	70	64	85	75	68	62	71	65	60	66	61	57	62	58	54	52							
4	81	69	61	54	77	67	59	53	63	56	51	59	53	49	55	51	47	44							
5	74	62	53	47	71	60	52	46	56	49	44	53	47	42	50	45	41	38							
6	69	56	47	41	66	54	46	40	51	44	39	48	42	37	45	40	36	34							
7	64	51	42	36	61	49	41	36	46	39	34	44	38	33	41	36	32	30							
8	59	46	38	32	57	45	37	32	42	36	31	40	34	30	38	33	29	27							
9	55	42	34	29	53	41	34	29	39	32	28	37	31	27	35	30	26	24							
10	52	39	31	26	50	38	31	26	36	30	25	34	29	24	33	27	24	22							

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	6791	6791	6791
5°	6827	6784	6752
10°	6765	6733	6689
15°	6698	6664	6620
20°	6588	6543	6474
25°	6465	6418	6323
30°	6332	6271	6147
35°	6159	6093	5962
40°	5999	5914	5802
45°	5848	5726	5635
50°	5665	5566	5466
55°	5491	5416	5267
60°	5226	5141	4991
65°	4993	4865	4714
70°	4666	4541	4386
75°	4220	4139	4014
80°	3580	3515	3454
85°	2705	2825	2705



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	79.2	3.2
10°-20°	223.9	8.9
20°-30°	330.2	13.1
30°-40°	384.9	15.3
40°-50°	387.0	15.4
50°-60°	340.8	13.5
60°-70°	251.5	10.0
70°-80°	139.4	5.5
80°-90°	36.3	1.4
90°-100°	12.9	0.5
100°-110°	33.3	1.3
110°-120°	54.0	2.1
120°-130°	67.4	2.7
130°-140°	63.4	2.5
140°-150°	50.0	2.0
150°-160°	34.4	1.4
160°-170°	20.3	0.8
170°-180°	6.7	0.3
0°-30°	633.3	25.2
0°-40°	1018.2	40.5
0°-60°	1745.9	69.4
0°-90°	2173.1	86.4
90°-120°	100.1	4.0
90°-150°	280.9	11.2
90°-180°	342.0	13.6
0°-180°	2515.4	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	841	841	841	841	841	
5°	842	833	837	835	833	80
15°	801	793	797	793	792	226
25°	726	719	720	711	710	334
35°	625	620	618	608	605	391
45°	512	507	502	495	494	395
55°	390	386	385	377	374	348
65°	261	259	255	249	247	258
75°	135	134	133	129	129	143
85°	29	30	30	29	29	34
90°	3	5	5	5	5	3
95°	9	11	12	12	12	10
105°	25	34	30	33	30	27
115°	37	60	61	53	52	37
125°	49	68	84	86	85	44
135°	57	64	84	104	102	44
145°	64	66	80	92	93	40
155°	66	69	73	78	78	31
165°	69	69	73	74	73	20
175°	70	70	70	70	68	7
180°	69	69	69	69	69	



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CATALOG NUMBER: J2-WL-30L93050-1D-UNV-W2A-DLED-W-4 (4000K)

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	841.2	841.2	841.2	841.2	841.2
2.5°	846.5	837.2	841.2	838.5	833.2
5°	842.5	833.2	837.2	834.6	833.2
7.5°	834.6	826.6	830.6	827.9	826.6
10°	825.3	817.3	821.3	817.3	816.0
12.5°	816.0	806.7	810.7	805.4	805.4
15°	801.4	793.4	797.4	793.4	792.1
17.5°	785.5	777.5	780.2	776.2	774.9
20°	766.9	758.9	761.6	756.3	753.6
22.5°	747.0	740.4	743.0	733.7	732.4
25°	725.8	719.1	720.5	711.2	709.8
27.5°	704.5	695.3	697.9	687.3	684.6
30°	679.3	671.4	672.7	662.1	659.4
32.5°	651.5	646.2	646.2	635.5	634.2
35°	624.9	619.6	618.3	607.7	605.0
37.5°	598.4	591.8	590.4	578.5	578.5
40°	569.2	563.9	561.2	552.0	550.6
42.5°	541.3	534.7	532.1	522.8	522.8
45°	512.2	506.8	501.5	494.9	493.6
47.5°	481.6	476.3	473.7	465.7	464.4
50°	451.1	447.1	443.2	436.5	435.2
52.5°	419.3	416.6	414.0	407.3	403.4
55°	390.1	386.1	384.8	376.8	374.2
57.5°	358.2	354.3	352.9	343.6	339.7
60°	323.7	319.8	318.4	310.5	309.1
62.5°	293.2	289.2	286.6	281.3	278.6
65°	261.4	258.7	254.7	249.4	246.8
67.5°	229.5	226.9	222.9	218.9	216.3
70°	197.7	195.0	192.4	187.1	185.8
72.5°	165.9	163.2	160.5	157.9	157.9
75°	135.3	134.0	132.7	128.7	128.7
77.5°	104.8	103.5	102.2	100.8	100.8
80°	77.0	77.0	75.6	74.3	74.3
82.5°	51.7	51.7	51.7	50.4	50.4
85°	29.2	30.5	30.5	29.2	29.2
87.5°	11.9	11.9	11.9	11.9	11.9
90°	2.7	5.3	5.3	5.3	5.3
92.5°	5.3	6.6	8.0	9.3	8.0
95°	9.3	10.6	11.9	11.9	11.9
97.5°	14.6	15.9	15.9	15.9	15.9
100°	18.6	21.2	19.9	21.2	19.9
102.5°	22.6	27.9	27.9	25.2	25.2
105°	25.2	34.5	30.5	33.2	30.5
107.5°	27.9	42.5	35.8	37.2	38.5
110°	31.8	47.8	43.8	39.8	41.1



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	34.5	58.4	51.7	46.4	45.1
115°	37.2	59.7	61.0	53.1	51.7
117.5°	41.1	59.7	69.0	62.4	59.7
120°	43.8	63.7	75.6	70.3	67.7
122.5°	46.4	66.3	79.6	79.6	77.0
125°	49.1	67.7	83.6	86.2	84.9
127.5°	50.4	63.7	90.2	94.2	92.9
130°	53.1	61.0	88.9	95.5	99.5
132.5°	55.7	62.4	86.2	96.9	99.5
135°	57.1	63.7	83.6	103.5	102.2
137.5°	58.4	65.0	84.9	99.5	106.1
140°	61.0	65.0	86.2	94.2	102.2
142.5°	62.4	66.3	86.2	90.2	95.5
145°	63.7	66.3	79.6	91.6	92.9
147.5°	63.7	67.7	74.3	92.9	92.9
150°	65.0	67.7	74.3	92.9	92.9
152.5°	66.3	69.0	73.0	80.9	91.6
155°	66.3	69.0	73.0	78.3	78.3
157.5°	67.7	69.0	73.0	77.0	77.0
160°	67.7	69.0	73.0	75.6	74.3
162.5°	69.0	69.0	71.6	74.3	73.0
165°	69.0	69.0	73.0	74.3	73.0
167.5°	69.0	70.3	71.6	73.0	71.6
170°	70.3	70.3	71.6	71.6	70.3
172.5°	70.3	70.3	71.6	70.3	69.0
175°	70.3	70.3	70.3	70.3	67.7
177.5°	70.3	69.0	70.3	69.0	66.3
180°	69.0	69.0	69.0	69.0	69.0

(END OF REPORT)