

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: P253392

Luminaire Tested: **J2-WL-20L93050-1D-UNV-W2A-DLED-W-4 (4000K)**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P253392
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-20L93050-1D-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: 1727.8 lumens
Efficiency: N/A
Efficacy: 99.3 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

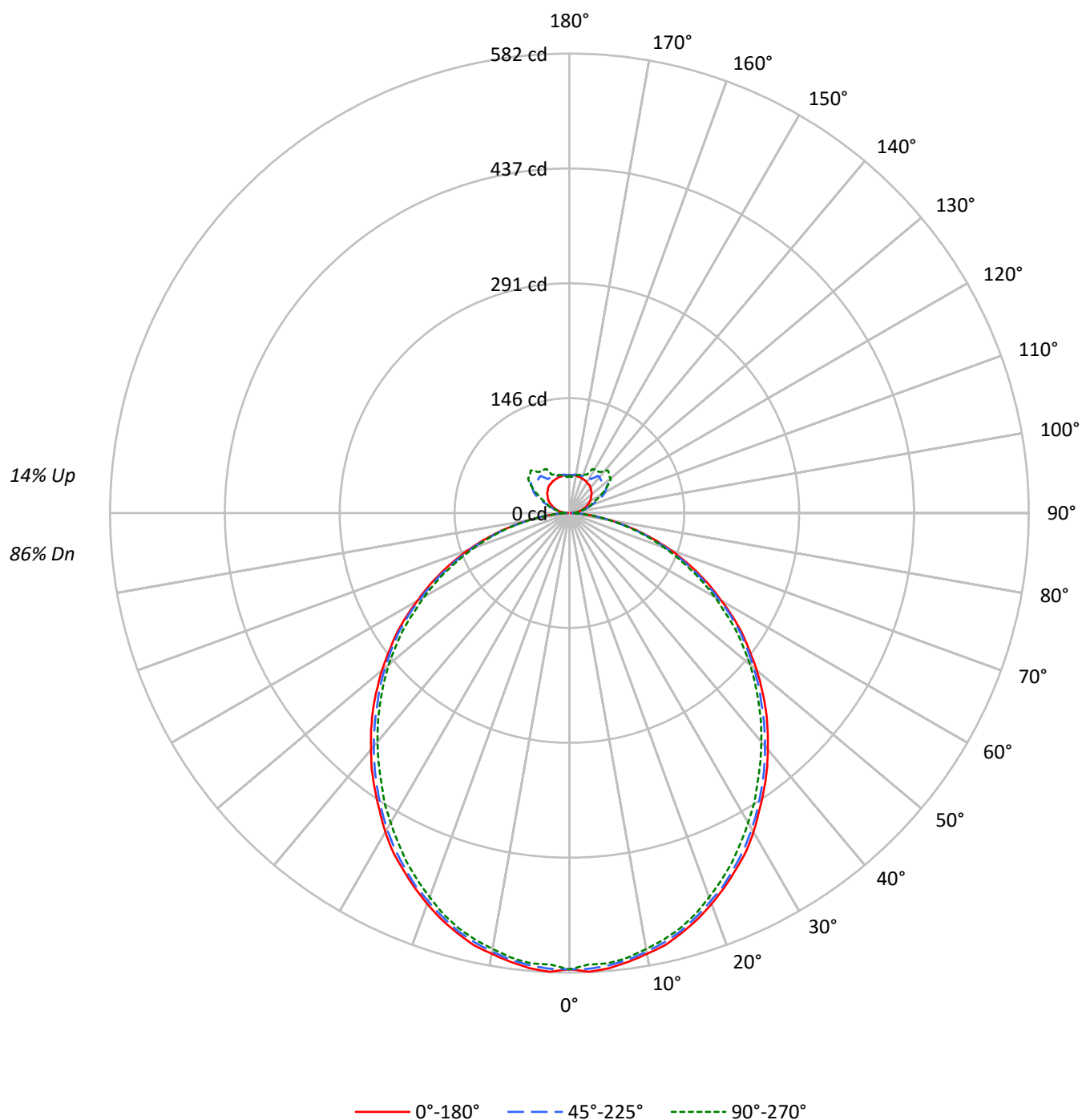
Input Watts (W): 17.4
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	4665	4665	4665
5°	4690	4660	4638
10°	4647	4624	4595
15°	4601	4578	4547
20°	4526	4494	4448
25°	4440	4408	4343
30°	4350	4308	4222
35°	4231	4186	4096
40°	4121	4063	3986
45°	4016	3933	3870
50°	3892	3823	3754
55°	3771	3720	3617
60°	3591	3531	3428
65°	3429	3343	3238
70°	3205	3118	3012
75°	2901	2842	2757
80°	2459	2413	2371
85°	1862	1945	1862



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	54.4	3.2
10°-20°	153.8	8.9
20°-30°	226.8	13.1
30°-40°	264.4	15.3
40°-50°	265.8	15.4
50°-60°	234.1	13.5
60°-70°	172.8	10.0
70°-80°	95.7	5.5
80°-90°	24.9	1.4
90°-100°	8.9	0.5
100°-110°	22.8	1.3
110°-120°	37.1	2.1
120°-130°	46.3	2.7
130°-140°	43.5	2.5
140°-150°	34.3	2.0
150°-160°	23.6	1.4
160°-170°	13.9	0.8
170°-180°	4.6	0.3
0°-30°	435.0	25.2
0°-40°	699.4	40.5
0°-60°	1199.2	69.4
0°-90°	1492.7	86.4
90°-120°	68.8	4.0
90°-150°	192.9	11.2
90°-180°	235.0	13.6
0°-180°	1727.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	578	578	578	578	578	
5°	579	572	575	573	572	55
15°	550	545	548	545	544	155
25°	498	494	495	488	488	230
35°	429	426	425	417	416	269
45°	352	348	344	340	339	271
55°	268	265	264	259	257	239
65°	180	178	175	171	170	178
75°	93	92	91	88	88	98
85°	20	21	21	20	20	23
90°	2	4	4	4	4	2
95°	6	7	8	8	8	7
105°	17	24	21	23	21	18
115°	26	41	42	36	36	26
125°	34	46	57	59	58	30
135°	39	44	57	71	70	30
145°	44	46	55	63	64	27
155°	46	47	50	54	54	21
165°	47	47	50	51	50	13
175°	48	48	48	48	46	5
180°	47	47	47	47	47	



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CATALOG NUMBER: J2-WL-20L93050-1D-UNV-W2A-DLED-W-4 (4000K)

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	577.8	577.8	577.8	577.8	577.8
2.5°	581.5	575.1	577.8	576.0	572.3
5°	578.7	572.3	575.1	573.2	572.3
7.5°	573.2	567.8	570.5	568.7	567.8
10°	566.9	561.4	564.1	561.4	560.5
12.5°	560.5	554.1	556.8	553.2	553.2
15°	550.5	545.0	547.7	545.0	544.1
17.5°	539.5	534.1	535.9	533.1	532.2
20°	526.8	521.3	523.1	519.5	517.7
22.5°	513.1	508.5	510.4	504.0	503.1
25°	498.5	494.0	494.9	488.5	487.6
27.5°	483.9	477.6	479.4	472.1	470.3
30°	466.6	461.2	462.1	454.8	452.9
32.5°	447.5	443.8	443.8	436.5	435.6
35°	429.3	425.6	424.7	417.4	415.6
37.5°	411.0	406.5	405.6	397.4	397.4
40°	391.0	387.3	385.5	379.1	378.2
42.5°	371.8	367.3	365.5	359.1	359.1
45°	351.8	348.1	344.5	339.9	339.0
47.5°	330.8	327.2	325.4	319.9	319.0
50°	309.9	307.1	304.4	299.8	298.9
52.5°	288.0	286.2	284.3	279.8	277.1
55°	267.9	265.2	264.3	258.8	257.0
57.5°	246.1	243.3	242.4	236.0	233.3
60°	222.4	219.6	218.7	213.3	212.3
62.5°	201.4	198.7	196.9	193.2	191.4
65°	179.5	177.7	175.0	171.3	169.5
67.5°	157.7	155.8	153.1	150.4	148.6
70°	135.8	134.0	132.1	128.5	127.6
72.5°	113.9	112.1	110.3	108.5	108.5
75°	93.0	92.0	91.1	88.4	88.4
77.5°	72.0	71.1	70.2	69.3	69.3
80°	52.9	52.9	51.9	51.0	51.0
82.5°	35.5	35.5	35.5	34.6	34.6
85°	20.1	21.0	21.0	20.1	20.1
87.5°	8.2	8.2	8.2	8.2	8.2
90°	1.8	3.6	3.6	3.6	3.6
92.5°	3.6	4.6	5.5	6.4	5.5
95°	6.4	7.3	8.2	8.2	8.2
97.5°	10.0	10.9	10.9	10.9	10.9
100°	12.8	14.6	13.7	14.6	13.7
102.5°	15.5	19.1	19.1	17.3	17.3
105°	17.3	23.7	21.0	22.8	21.0
107.5°	19.1	29.2	24.6	25.5	26.4
110°	21.9	32.8	30.1	27.3	28.3



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	23.7	40.1	35.5	31.9	31.0
115°	25.5	41.0	41.9	36.5	35.5
117.5°	28.3	41.0	47.4	42.8	41.0
120°	30.1	43.7	51.9	48.3	46.5
122.5°	31.9	45.6	54.7	54.7	52.9
125°	33.7	46.5	57.4	59.2	58.3
127.5°	34.6	43.7	62.0	64.7	63.8
130°	36.5	41.9	61.1	65.6	68.4
132.5°	38.3	42.8	59.2	66.5	68.4
135°	39.2	43.7	57.4	71.1	70.2
137.5°	40.1	44.7	58.3	68.4	72.9
140°	41.9	44.7	59.2	64.7	70.2
142.5°	42.8	45.6	59.2	62.0	65.6
145°	43.7	45.6	54.7	62.9	63.8
147.5°	43.7	46.5	51.0	63.8	63.8
150°	44.7	46.5	51.0	63.8	63.8
152.5°	45.6	47.4	50.1	55.6	62.9
155°	45.6	47.4	50.1	53.8	53.8
157.5°	46.5	47.4	50.1	52.9	52.9
160°	46.5	47.4	50.1	51.9	51.0
162.5°	47.4	47.4	49.2	51.0	50.1
165°	47.4	47.4	50.1	51.0	50.1
167.5°	47.4	48.3	49.2	50.1	49.2
170°	48.3	48.3	49.2	49.2	48.3
172.5°	48.3	48.3	49.2	48.3	47.4
175°	48.3	48.3	48.3	48.3	46.5
177.5°	48.3	47.4	48.3	47.4	45.6
180°	47.4	47.4	47.4	47.4	47.4

(END OF REPORT)