

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: P253387

Luminaire Tested: **J2-WL-50L93050-1D-UNV-W2A-DLED-W-4 (3000K)**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P253387
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-50L93050-1D-UNV-W2A-DLED-W-4 (3000K)
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 3000K CCT.
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3589.8 lumens
Efficiency: N/A
Efficacy: 69.2 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

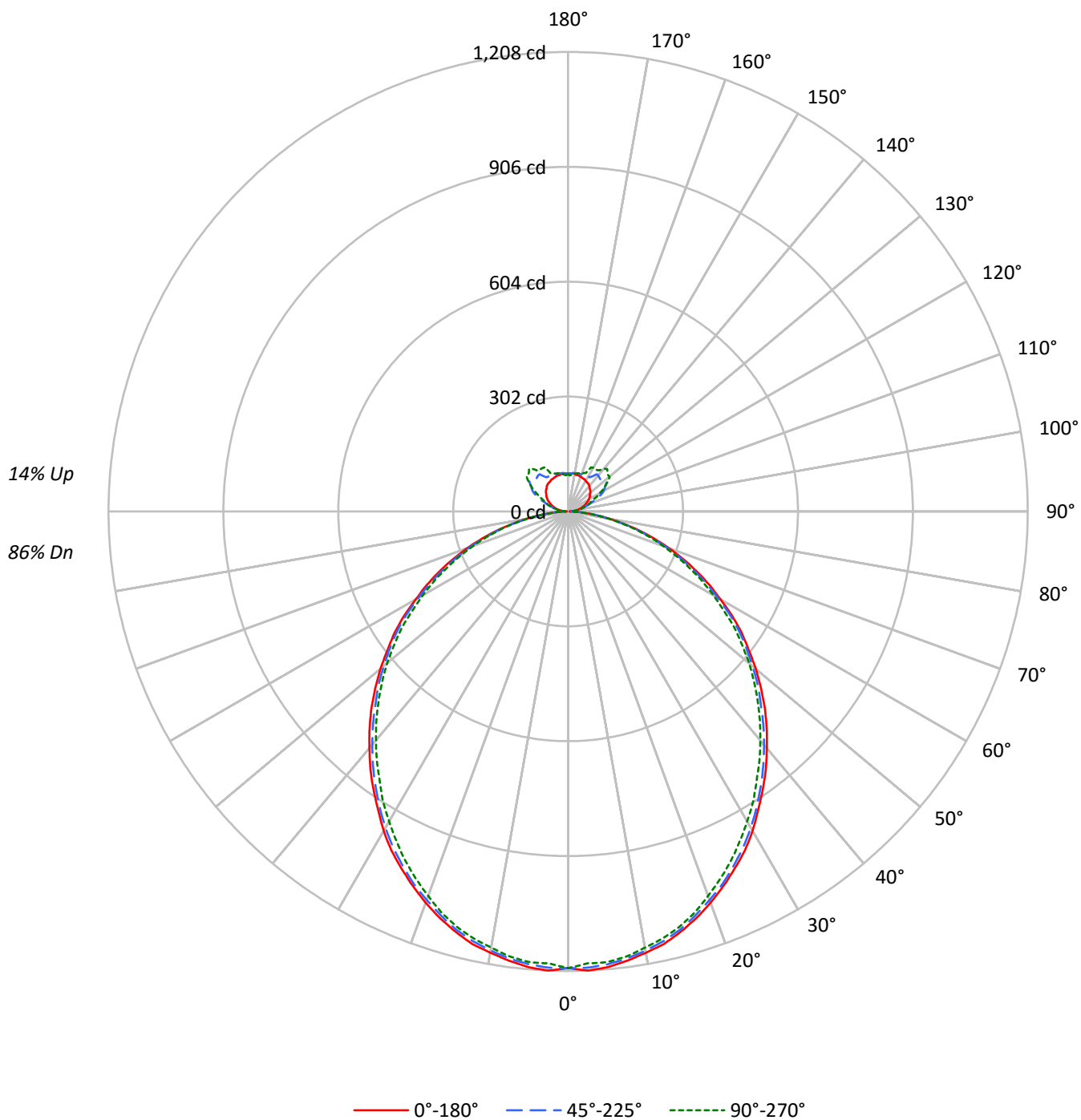
Input Watts (W): 51.9
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	9692	9692	9692
5°	9744	9682	9636
10°	9655	9608	9546
15°	9559	9511	9448
20°	9403	9338	9240
25°	9226	9159	9023
30°	9038	8949	8773
35°	8789	8696	8509
40°	8560	8441	8281
45°	8345	8171	8042
50°	8086	7942	7801
55°	7835	7728	7516
60°	7459	7337	7124
65°	7125	6946	6728
70°	6659	6482	6257
75°	6023	5908	5730
80°	5105	5016	4928
85°	3863	4039	3863



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	113.1	3.2
10°-20°	319.5	8.9
20°-30°	471.2	13.1
30°-40°	549.2	15.3
40°-50°	552.2	15.4
50°-60°	486.3	13.5
60°-70°	359.0	10.0
70°-80°	198.9	5.5
80°-90°	51.8	1.4
90°-100°	18.4	0.5
100°-110°	47.5	1.3
110°-120°	77.0	2.1
120°-130°	96.3	2.7
130°-140°	90.4	2.5
140°-150°	71.3	2.0
150°-160°	49.1	1.4
160°-170°	29.0	0.8
170°-180°	9.6	0.3
0°-30°	903.8	25.2
0°-40°	1453.1	40.5
0°-60°	2491.6	69.4
0°-90°	3101.2	86.4
90°-120°	142.9	4.0
90°-150°	400.9	11.2
90°-180°	489.0	13.6
0°-180°	3589.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1200	1200	1200	1200	1200	
5°	1202	1189	1195	1191	1189	114
15°	1144	1132	1138	1132	1130	322
25°	1036	1026	1028	1015	1013	477
35°	892	884	882	867	863	558
45°	731	723	716	706	704	563
55°	557	551	549	538	534	496
65°	373	369	364	356	352	369
75°	193	191	189	184	184	204
85°	42	44	44	42	42	49
90°	4	8	8	8	8	4
95°	13	15	17	17	17	14
105°	36	49	44	47	44	38
115°	53	85	87	76	74	53
125°	70	97	119	123	121	62
135°	81	91	119	148	146	63
145°	91	95	114	131	132	57
155°	95	98	104	112	112	44
165°	98	98	104	106	104	28
175°	100	100	100	100	97	10
180°	98	98	98	98	98	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1200.5	1200.5	1200.5	1200.5	1200.5
2.5°	1208.1	1194.8	1200.5	1196.7	1189.1
5°	1202.4	1189.1	1194.8	1191.0	1189.1
7.5°	1191.0	1179.7	1185.3	1181.6	1179.7
10°	1177.8	1166.4	1172.1	1166.4	1164.5
12.5°	1164.5	1151.3	1156.9	1149.4	1149.4
15°	1143.7	1132.3	1138.0	1132.3	1130.4
17.5°	1121.0	1109.6	1113.4	1107.7	1105.8
20°	1094.5	1083.1	1086.9	1079.3	1075.5
22.5°	1066.0	1056.6	1060.4	1047.1	1045.2
25°	1035.8	1026.3	1028.2	1014.9	1013.0
27.5°	1005.5	992.2	996.0	980.8	977.1
30°	969.5	958.1	960.0	944.9	941.1
32.5°	929.7	922.1	922.1	907.0	905.1
35°	891.8	884.3	882.4	867.2	863.4
37.5°	854.0	844.5	842.6	825.6	825.6
40°	812.3	804.7	801.0	787.7	785.8
42.5°	772.6	763.1	759.3	746.0	746.0
45°	730.9	723.3	715.7	706.3	704.4
47.5°	687.3	679.8	676.0	664.6	662.7
50°	643.8	638.1	632.4	623.0	621.1
52.5°	598.4	594.6	590.8	581.3	575.6
55°	556.7	551.0	549.1	537.8	534.0
57.5°	511.2	505.6	503.7	490.4	484.7
60°	462.0	456.3	454.4	443.1	441.2
62.5°	418.5	412.8	409.0	401.4	397.6
65°	373.0	369.2	363.6	356.0	352.2
67.5°	327.6	323.8	318.1	312.4	308.6
70°	282.1	278.3	274.6	267.0	265.1
72.5°	236.7	232.9	229.1	225.3	225.3
75°	193.1	191.2	189.4	183.7	183.7
77.5°	149.6	147.7	145.8	143.9	143.9
80°	109.8	109.8	107.9	106.0	106.0
82.5°	73.8	73.8	73.8	72.0	72.0
85°	41.7	43.6	43.6	41.7	41.7
87.5°	17.0	17.0	17.0	17.0	17.0
90°	3.8	7.6	7.6	7.6	7.6
92.5°	7.6	9.5	11.4	13.3	11.4
95°	13.3	15.1	17.0	17.0	17.0
97.5°	20.8	22.7	22.7	22.7	22.7
100°	26.5	30.3	28.4	30.3	28.4
102.5°	32.2	39.8	39.8	36.0	36.0
105°	36.0	49.2	43.6	47.3	43.6
107.5°	39.8	60.6	51.1	53.0	54.9
110°	45.4	68.2	62.5	56.8	58.7



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	49.2	83.3	73.8	66.3	64.4
115°	53.0	85.2	87.1	75.7	73.8
117.5°	58.7	85.2	98.5	89.0	85.2
120°	62.5	90.9	107.9	100.4	96.6
122.5°	66.3	94.7	113.6	113.6	109.8
125°	70.1	96.6	119.3	123.1	121.2
127.5°	72.0	90.9	128.8	134.4	132.5
130°	75.7	87.1	126.9	136.3	142.0
132.5°	79.5	89.0	123.1	138.2	142.0
135°	81.4	90.9	119.3	147.7	145.8
137.5°	83.3	92.8	121.2	142.0	151.5
140°	87.1	92.8	123.1	134.4	145.8
142.5°	89.0	94.7	123.1	128.8	136.3
145°	90.9	94.7	113.6	130.7	132.5
147.5°	90.9	96.6	106.0	132.5	132.5
150°	92.8	96.6	106.0	132.5	132.5
152.5°	94.7	98.5	104.1	115.5	130.7
155°	94.7	98.5	104.1	111.7	111.7
157.5°	96.6	98.5	104.1	109.8	109.8
160°	96.6	98.5	104.1	107.9	106.0
162.5°	98.5	98.5	102.2	106.0	104.1
165°	98.5	98.5	104.1	106.0	104.1
167.5°	98.5	100.4	102.2	104.1	102.2
170°	100.4	100.4	102.2	102.2	100.4
172.5°	100.4	100.4	102.2	100.4	98.5
175°	100.4	100.4	100.4	100.4	96.6
177.5°	100.4	98.5	100.4	98.5	94.7
180°	98.5	98.5	98.5	98.5	98.5

(END OF REPORT)