

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: P253280

Luminaire Tested: **J2-WL-30L830-1D-UNV-STD-W-4**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P253280
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1707-177-1)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: J2-WL-30L830-1D-UNV-STD-W-4
Description: JAYLUM J2 SUSPENDED LED LUMINAIRE, FROSTED LENS.
Light Source: (112) 3000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2896.1 lumens
Efficiency: N/A
Efficacy: 125.4 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.18 / 1.31
Luminous Opening: Rectangular (W 0.33' x L: 4' x H: 0')
CIE Type: Semi-Direct

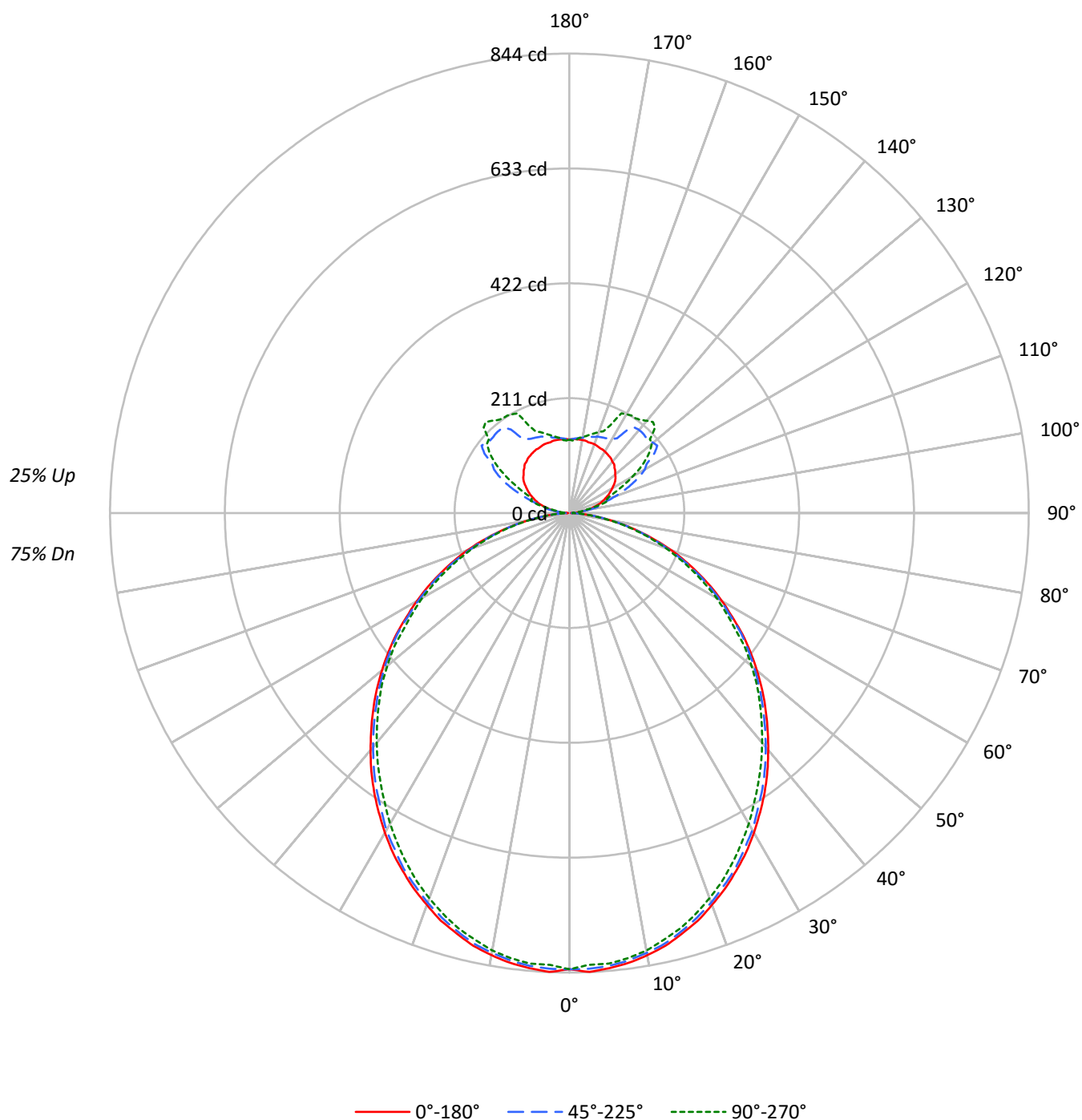
Input Watts (W): 23.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10
RCR																	
0	113	113	113	113	108	108	108	108	97	97	97	88	88	88	79	79	79
1	103	99	95	91	98	94	91	87	85	83	80	77	75	73	70	68	67
2	94	86	80	75	89	82	77	72	75	70	66	68	64	61	62	59	56
3	86	76	68	62	81	73	66	60	66	60	56	60	56	52	55	51	48
4	79	67	59	53	75	64	57	51	59	53	48	54	49	44	49	45	41
5	72	60	52	45	69	58	50	44	53	46	41	48	43	39	44	40	36
6	67	54	46	40	63	52	44	38	48	41	36	44	38	34	40	35	32
7	62	49	41	35	59	47	39	34	43	37	32	40	34	30	36	32	28
8	58	45	37	31	55	43	35	30	40	33	29	36	31	27	34	29	25
9	54	41	33	28	51	39	32	27	36	30	26	34	28	24	31	26	23
10	50	38	30	25	48	36	29	24	34	27	23	31	26	22	29	24	21

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	6764	6764	6764
5°	6801	6766	6730
10°	6760	6724	6688
15°	6684	6647	6598
20°	6581	6543	6467
25°	6458	6419	6315
30°	6321	6267	6144
35°	6163	6092	5961
40°	5989	5912	5804
45°	5819	5736	5652
50°	5647	5574	5482
55°	5462	5422	5236
60°	5226	5155	5038
65°	4980	4896	4756
70°	4702	4530	4459
75°	4201	4158	4021
80°	3543	3543	3403
85°	2714	2853	2714



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	79.0	2.7
10°-20°	223.4	7.7
20°-30°	329.8	11.4
30°-40°	384.4	13.3
40°-50°	386.9	13.4
50°-60°	340.7	11.8
60°-70°	252.8	8.7
70°-80°	140.7	4.9
80°-90°	36.6	1.3
90°-100°	18.5	0.6
100°-110°	66.3	2.3
110°-120°	115.9	4.0
120°-130°	146.2	5.0
130°-140°	138.4	4.8
140°-150°	110.2	3.8
150°-160°	72.3	2.5
160°-170°	40.8	1.4
170°-180°	13.2	0.5
0°-30°	632.3	21.8
0°-40°	1016.7	35.1
0°-60°	1744.2	60.2
0°-90°	2174.4	75.1
90°-120°	200.8	6.9
90°-150°	595.5	20.6
90°-180°	722.0	24.9
0°-180°	2896.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	838	838	838	838	838	
5°	839	830	835	832	830	80
15°	800	791	795	791	789	226
25°	725	718	721	710	709	334
35°	625	618	618	608	605	391
45°	510	505	502	495	495	393
55°	388	387	385	375	372	346
65°	261	261	256	250	249	259
75°	135	135	133	130	129	144
85°	29	31	31	31	29	34
90°	3	4	4	6	6	3
95°	16	18	15	13	12	17
105°	50	78	59	66	60	53
115°	79	152	127	104	95	78
125°	102	164	190	177	171	91
135°	117	136	198	223	223	91
145°	127	139	188	211	212	80
155°	132	139	152	164	177	61
165°	135	138	145	149	149	38
175°	136	136	138	138	135	13
180°	135	135	135	135	135	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	837.8	837.8	837.8	837.8	837.8
2.5°	843.6	833.4	837.8	836.3	830.5
5°	839.2	830.5	834.9	831.9	830.5
7.5°	833.4	824.6	829.0	826.1	824.6
10°	824.6	815.8	820.2	815.8	815.8
12.5°	814.3	804.1	810.0	804.1	802.6
15°	799.7	790.9	795.3	790.9	789.4
17.5°	785.1	776.3	779.2	774.8	771.9
20°	766.0	758.7	761.6	754.3	752.8
22.5°	747.0	739.7	741.1	733.8	732.3
25°	725.0	717.7	720.6	710.4	708.9
27.5°	703.0	694.2	695.7	685.5	684.0
30°	678.1	670.8	672.3	660.6	659.1
32.5°	651.8	644.4	644.4	634.2	631.3
35°	625.4	618.1	618.1	607.8	604.9
37.5°	597.6	590.3	590.3	580.0	578.5
40°	568.3	562.4	561.0	550.7	550.7
42.5°	539.0	534.6	531.7	522.9	522.9
45°	509.7	505.3	502.4	495.1	495.1
47.5°	480.4	476.0	473.1	467.2	467.2
50°	449.6	446.7	443.8	437.9	436.5
52.5°	418.9	417.4	414.5	408.6	407.2
55°	388.1	386.7	385.2	375.0	372.0
57.5°	354.4	353.0	350.1	342.7	341.3
60°	323.7	320.8	319.3	312.0	312.0
62.5°	292.9	291.5	288.5	281.2	279.7
65°	260.7	260.7	256.3	250.5	249.0
67.5°	230.0	228.5	224.1	219.7	218.2
70°	199.2	197.7	191.9	190.4	188.9
72.5°	167.0	165.5	162.6	159.6	158.2
75°	134.7	134.7	133.3	130.4	128.9
77.5°	105.5	105.5	104.0	102.5	101.1
80°	76.2	77.6	76.2	74.7	73.2
82.5°	51.3	52.7	51.3	51.3	49.8
85°	29.3	30.8	30.8	30.8	29.3
87.5°	11.7	13.2	13.2	11.7	11.7
90°	2.9	4.4	4.4	5.9	5.9
92.5°	7.3	8.8	7.3	8.8	7.3
95°	16.1	17.6	14.6	13.2	11.7
97.5°	24.9	32.2	23.4	22.0	20.5
100°	33.7	42.5	38.1	30.8	26.4
102.5°	42.5	60.1	55.7	43.9	39.5
105°	49.8	77.6	58.6	65.9	60.1
107.5°	58.6	95.2	70.3	70.3	74.7
110°	65.9	118.6	89.3	73.2	73.2



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	71.8	147.9	108.4	85.0	79.1
115°	79.1	152.3	127.4	104.0	95.2
117.5°	85.0	155.3	145.0	124.5	114.2
120°	90.8	159.6	159.6	142.1	133.3
122.5°	96.7	162.6	168.4	161.1	153.8
125°	102.5	164.0	190.4	177.2	171.4
127.5°	106.9	156.7	203.6	188.9	186.0
130°	109.8	139.1	200.7	193.3	197.7
132.5°	114.2	134.7	197.7	212.4	200.7
135°	117.2	136.2	197.7	222.6	222.6
137.5°	121.6	137.7	199.2	216.8	227.0
140°	123.0	137.7	199.2	212.4	221.2
142.5°	126.0	139.1	197.7	209.4	215.3
145°	127.4	139.1	187.5	210.9	212.4
147.5°	128.9	139.1	162.6	208.0	212.4
150°	130.4	139.1	156.7	206.5	209.4
152.5°	131.8	139.1	153.8	187.5	206.5
155°	131.8	139.1	152.3	164.0	177.2
157.5°	133.3	139.1	150.9	159.6	162.6
160°	134.7	139.1	149.4	156.7	158.2
162.5°	134.7	137.7	146.5	153.8	153.8
165°	134.7	137.7	145.0	149.4	149.4
167.5°	136.2	137.7	142.1	146.5	145.0
170°	136.2	136.2	140.6	143.5	142.1
172.5°	136.2	136.2	139.1	140.6	139.1
175°	136.2	136.2	137.7	137.7	134.7
177.5°	136.2	136.2	136.2	136.2	133.3
180°	134.7	134.7	134.7	134.7	134.7

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