

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: P274879

Luminaire Tested: **J2-WL-30L82765-1D-UNV-W2A-DLED-W-4 (2700K)**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P274879
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-30L82765-1D-UNV-W2A-DLED-W-4 (2700K)
Description: JAYLUM J2 SUSPENDED LED LUMINAIRE, FROSTED LENS WITH DOWNLIGHT KIT.
2700K-6500K CCT VividTune LIGHT ENGINE.
Light Source: (168) 2700K-6500K CCT, 80 CRI LEDS, TUNED TO 2700K CCT.
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2514.0 lumens
Efficiency: N/A
Efficacy: 97.4 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

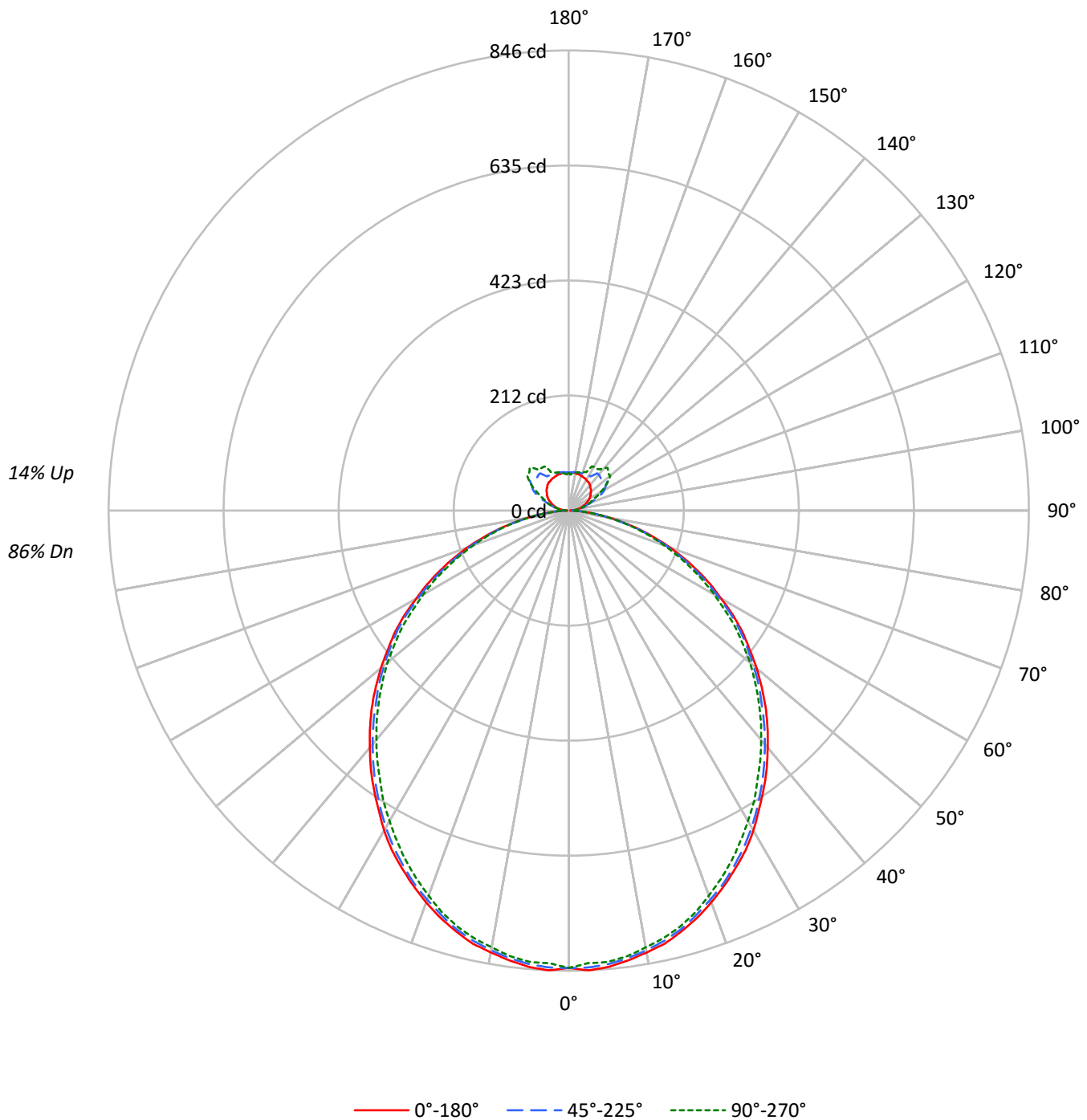
Input Watts (W): 25.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	6787	6787	6787
5°	6824	6781	6749
10°	6761	6728	6685
15°	6694	6661	6617
20°	6585	6540	6471
25°	6462	6414	6319
30°	6330	6267	6144
35°	6156	6091	5959
40°	5995	5911	5799
45°	5844	5723	5632
50°	5663	5563	5463
55°	5488	5413	5264
60°	5225	5139	4989
65°	4989	4863	4711
70°	4664	4539	4383
75°	4220	4136	4011
80°	3575	3515	3454
85°	2705	2825	2705



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	79.2	3.2
10°-20°	223.8	8.9
20°-30°	330.0	13.1
30°-40°	384.7	15.3
40°-50°	386.8	15.4
50°-60°	340.6	13.5
60°-70°	251.4	10.0
70°-80°	139.3	5.5
80°-90°	36.2	1.4
90°-100°	12.9	0.5
100°-110°	33.2	1.3
110°-120°	54.0	2.1
120°-130°	67.4	2.7
130°-140°	63.3	2.5
140°-150°	49.9	2.0
150°-160°	34.4	1.4
160°-170°	20.3	0.8
170°-180°	6.7	0.3
0°-30°	633.0	25.2
0°-40°	1017.6	40.5
0°-60°	1745.0	69.4
0°-90°	2171.9	86.4
90°-120°	100.1	4.0
90°-150°	280.7	11.2
90°-180°	342.0	13.6
0°-180°	2514.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	841	841	841	841	841	
5°	842	833	837	834	833	80
15°	801	793	797	793	792	226
25°	725	719	720	711	709	334
35°	625	619	618	607	605	391
45°	512	507	501	495	493	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	103	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-30L82765-1D-UNV-W2A-DLED-W-4 (2700K)

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	840.7	840.7	840.7	840.7	840.7
2.5°	846.0	836.8	840.7	838.1	832.8
5°	842.1	832.8	836.8	834.1	832.8
7.5°	834.1	826.1	830.1	827.5	826.1
10°	824.8	816.9	820.8	816.9	815.5
12.5°	815.5	806.3	810.2	804.9	804.9
15°	800.9	793.0	797.0	793.0	791.7
17.5°	785.0	777.1	779.7	775.8	774.4
20°	766.5	758.5	761.2	755.9	753.2
22.5°	746.6	739.9	742.6	733.3	732.0
25°	725.4	718.7	720.1	710.8	709.4
27.5°	704.1	694.9	697.5	686.9	684.3
30°	679.0	671.0	672.3	661.7	659.1
32.5°	651.1	645.8	645.8	635.2	633.9
35°	624.6	619.3	618.0	607.3	604.7
37.5°	598.1	591.4	590.1	578.2	578.2
40°	568.9	563.6	560.9	551.6	550.3
42.5°	541.0	534.4	531.8	522.5	522.5
45°	511.9	506.6	501.3	494.6	493.3
47.5°	481.4	476.1	473.4	465.5	464.1
50°	450.9	446.9	442.9	436.3	435.0
52.5°	419.0	416.4	413.7	407.1	403.1
55°	389.9	385.9	384.6	376.6	374.0
57.5°	358.0	354.1	352.7	343.5	339.5
60°	323.6	319.6	318.3	310.3	309.0
62.5°	293.1	289.1	286.4	281.1	278.5
65°	261.2	258.6	254.6	249.3	246.6
67.5°	229.4	226.8	222.8	218.8	216.2
70°	197.6	194.9	192.3	187.0	185.7
72.5°	165.8	163.1	160.5	157.8	157.8
75°	135.3	133.9	132.6	128.6	128.6
77.5°	104.8	103.4	102.1	100.8	100.8
80°	76.9	76.9	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°	22.5	27.8	27.8	25.2	25.2
105°	25.2	34.5	30.5	33.2	30.5
107.5°	27.8	42.4	35.8	37.1	38.5
110°	31.8	47.7	43.8	39.8	41.1



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	34.5	58.3	51.7	46.4	45.1
115°	37.1	59.7	61.0	53.0	51.7
117.5°	41.1	59.7	69.0	62.3	59.7
120°	43.8	63.7	75.6	70.3	67.6
122.5°	46.4	66.3	79.6	79.6	76.9
125°	49.1	67.6	83.5	86.2	84.9
127.5°	50.4	63.7	90.2	94.2	92.8
130°	53.0	61.0	88.8	95.5	99.5
132.5°	55.7	62.3	86.2	96.8	99.5
135°	57.0	63.7	83.5	103.4	102.1
137.5°	58.3	65.0	84.9	99.5	106.1
140°	61.0	65.0	86.2	94.2	102.1
142.5°	62.3	66.3	86.2	90.2	95.5
145°	63.7	66.3	79.6	91.5	92.8
147.5°	63.7	67.6	74.3	92.8	92.8
150°	65.0	67.6	74.3	92.8	92.8
152.5°	66.3	69.0	72.9	80.9	91.5
155°	66.3	69.0	72.9	78.2	78.2
157.5°	67.6	69.0	72.9	76.9	76.9
160°	67.6	69.0	72.9	75.6	74.3
162.5°	69.0	69.0	71.6	74.3	72.9
165°	69.0	69.0	72.9	74.3	72.9
167.5°	69.0	70.3	71.6	72.9	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	67.6
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)