

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: P274884

Luminaire Tested: **J2-WL-30L82765-1D-UNV-W2A-DLED-W-4 (5000K)**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P274884
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 (5000K)
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 5000K CCT.
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2820.7 lumens
Efficiency: N/A
Efficacy: 106.8 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

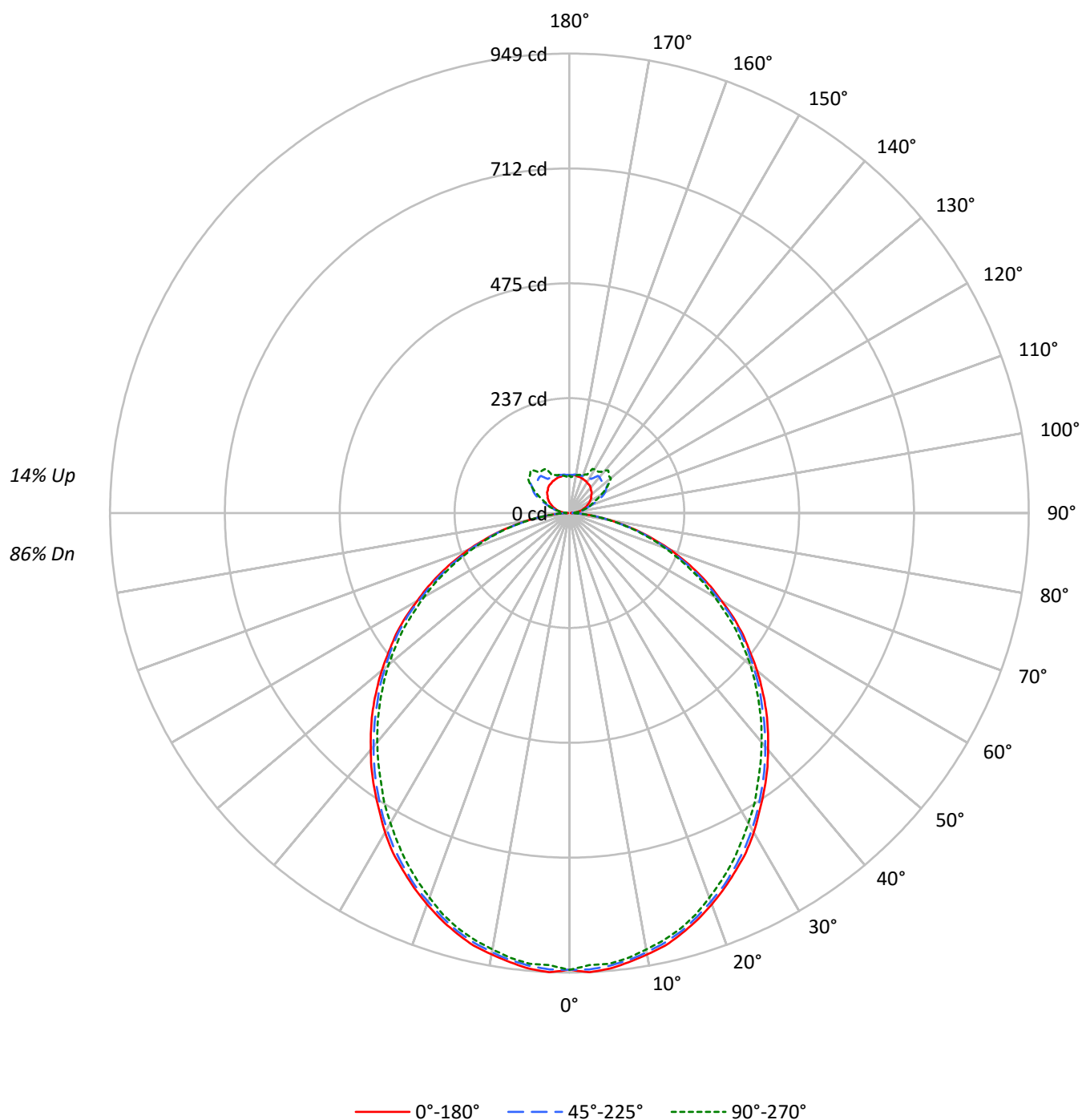
Input Watts (W): 26.4
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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°	7615	7615	7615
5°	7656	7608	7572
10°	7587	7550	7501
15°	7511	7473	7424
20°	7388	7337	7260
25°	7250	7196	7090
30°	7101	7031	6893
35°	6907	6833	6687
40°	6727	6633	6508
45°	6557	6421	6319
50°	6354	6241	6129
55°	6156	6073	5906
60°	5861	5766	5598
65°	5599	5458	5286
70°	5233	5091	4917
75°	4735	4641	4501
80°	4012	3942	3873
85°	3029	3168	3029



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	88.9	3.2
10°-20°	251.1	8.9
20°-30°	370.3	13.1
30°-40°	431.6	15.3
40°-50°	433.9	15.4
50°-60°	382.1	13.5
60°-70°	282.1	10.0
70°-80°	156.3	5.5
80°-90°	40.7	1.4
90°-100°	14.5	0.5
100°-110°	37.3	1.3
110°-120°	60.6	2.1
120°-130°	75.6	2.7
130°-140°	71.0	2.5
140°-150°	56.0	2.0
150°-160°	38.6	1.4
160°-170°	22.8	0.8
170°-180°	7.5	0.3
0°-30°	710.2	25.2
0°-40°	1141.8	40.5
0°-60°	1957.8	69.4
0°-90°	2436.9	86.4
90°-120°	112.3	4.0
90°-150°	315.0	11.2
90°-180°	384.0	13.6
0°-180°	2820.7	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	943	943	943	943	943	
5°	945	934	939	936	934	90
15°	899	890	894	890	888	253
25°	814	806	808	798	796	375
35°	701	695	693	681	678	439
45°	574	568	562	555	554	443
55°	437	433	432	423	420	390
65°	293	290	286	280	277	290
75°	152	150	149	144	144	161
85°	33	34	34	33	33	38
90°	3	6	6	6	6	3
95°	10	12	13	13	13	11
105°	28	39	34	37	34	30
115°	42	67	68	60	58	42
125°	55	76	94	97	95	49
135°	64	71	94	116	115	49
145°	71	74	89	103	104	44
155°	74	77	82	88	88	35
165°	77	77	82	83	82	22
175°	79	79	79	79	76	8
180°	77	77	77	77	77	



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CATALOG NUMBER: J2-WL-30L82765-1D-UNV-W2A-DLED-W-4 (5000K)

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	943.3	943.3	943.3	943.3	943.3
2.5°	949.3	938.8	943.3	940.3	934.4
5°	944.8	934.4	938.8	935.9	934.4
7.5°	935.9	926.9	931.4	928.4	926.9
10°	925.5	916.5	921.0	916.5	915.0
12.5°	915.0	904.6	909.1	903.1	903.1
15°	898.7	889.7	894.2	889.7	888.3
17.5°	880.8	871.9	874.9	870.4	868.9
20°	860.0	851.1	854.0	848.1	845.1
22.5°	837.7	830.2	833.2	822.8	821.3
25°	813.9	806.4	807.9	797.5	796.0
27.5°	790.1	779.6	782.6	770.7	767.7
30°	761.8	752.9	754.3	742.4	739.5
32.5°	730.5	724.6	724.6	712.7	711.2
35°	700.8	694.8	693.3	681.4	678.5
37.5°	671.0	663.6	662.1	648.7	648.7
40°	638.3	632.3	629.4	619.0	617.5
42.5°	607.0	599.6	596.6	586.2	586.2
45°	574.3	568.4	562.4	555.0	553.5
47.5°	540.1	534.1	531.2	522.2	520.8
50°	505.9	501.4	496.9	489.5	488.0
52.5°	470.2	467.2	464.2	456.8	452.3
55°	437.4	433.0	431.5	422.6	419.6
57.5°	401.7	397.3	395.8	385.4	380.9
60°	363.0	358.6	357.1	348.2	346.7
62.5°	328.8	324.4	321.4	315.4	312.5
65°	293.1	290.1	285.7	279.7	276.7
67.5°	257.4	254.4	250.0	245.5	242.5
70°	221.7	218.7	215.7	209.8	208.3
72.5°	186.0	183.0	180.0	177.1	177.1
75°	151.8	150.3	148.8	144.3	144.3
77.5°	117.5	116.1	114.6	113.1	113.1
80°	86.3	86.3	84.8	83.3	83.3
82.5°	58.0	58.0	58.0	56.5	56.5
85°	32.7	34.2	34.2	32.7	32.7
87.5°	13.4	13.4	13.4	13.4	13.4
90°	3.0	6.0	6.0	6.0	6.0
92.5°	6.0	7.4	8.9	10.4	8.9
95°	10.4	11.9	13.4	13.4	13.4
97.5°	16.4	17.9	17.9	17.9	17.9
100°	20.8	23.8	22.3	23.8	22.3
102.5°	25.3	31.2	31.2	28.3	28.3
105°	28.3	38.7	34.2	37.2	34.2
107.5°	31.2	47.6	40.2	41.7	43.1
110°	35.7	53.6	49.1	44.6	46.1



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	38.7	65.5	58.0	52.1	50.6
115°	41.7	67.0	68.4	59.5	58.0
117.5°	46.1	67.0	77.4	69.9	67.0
120°	49.1	71.4	84.8	78.9	75.9
122.5°	52.1	74.4	89.3	89.3	86.3
125°	55.1	75.9	93.7	96.7	95.2
127.5°	56.5	71.4	101.2	105.6	104.2
130°	59.5	68.4	99.7	107.1	111.6
132.5°	62.5	69.9	96.7	108.6	111.6
135°	64.0	71.4	93.7	116.1	114.6
137.5°	65.5	72.9	95.2	111.6	119.0
140°	68.4	72.9	96.7	105.6	114.6
142.5°	69.9	74.4	96.7	101.2	107.1
145°	71.4	74.4	89.3	102.7	104.2
147.5°	71.4	75.9	83.3	104.2	104.2
150°	72.9	75.9	83.3	104.2	104.2
152.5°	74.4	77.4	81.8	90.8	102.7
155°	74.4	77.4	81.8	87.8	87.8
157.5°	75.9	77.4	81.8	86.3	86.3
160°	75.9	77.4	81.8	84.8	83.3
162.5°	77.4	77.4	80.3	83.3	81.8
165°	77.4	77.4	81.8	83.3	81.8
167.5°	77.4	78.9	80.3	81.8	80.3
170°	78.9	78.9	80.3	80.3	78.9
172.5°	78.9	78.9	80.3	78.9	77.4
175°	78.9	78.9	78.9	78.9	75.9
177.5°	78.9	77.4	78.9	77.4	74.4
180°	77.4	77.4	77.4	77.4	77.4

(END OF REPORT)