

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: P274927

Luminaire Tested: **J2-WL-40L92765-1D-UNV-W2A-DLED-W-4 (2700K)**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P274927
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-40L92765-1D-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, 90 CRI LEDS, TUNED TO 2700K CCT.
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2857.8 lumens
Efficiency: N/A
Efficacy: 78.1 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

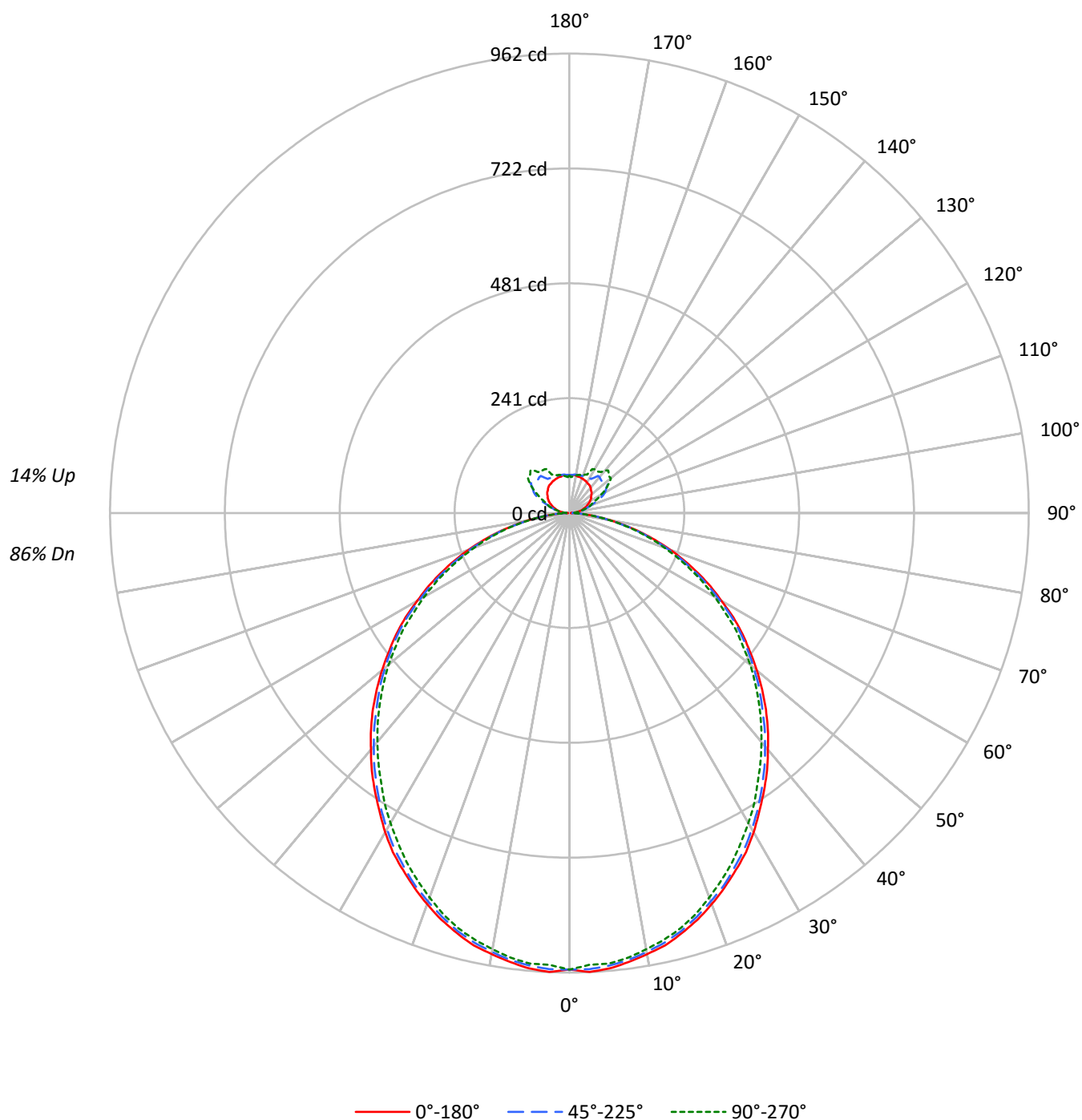
Input Watts (W): 36.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	7715	7715	7715
5°	7757	7708	7672
10°	7686	7649	7600
15°	7610	7572	7521
20°	7485	7434	7356
25°	7345	7291	7184
30°	7195	7125	6984
35°	6997	6923	6774
40°	6815	6719	6593
45°	6643	6505	6403
50°	6437	6324	6209
55°	6238	6153	5983
60°	5938	5842	5670
65°	5673	5528	5356
70°	5301	5160	4980
75°	4797	4701	4560
80°	4063	3994	3924
85°	3075	3214	3075



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	90.0	3.2
10°-20°	254.4	8.9
20°-30°	375.2	13.1
30°-40°	437.3	15.3
40°-50°	439.6	15.4
50°-60°	387.2	13.5
60°-70°	285.8	10.0
70°-80°	158.3	5.5
80°-90°	41.2	1.4
90°-100°	14.7	0.5
100°-110°	37.8	1.3
110°-120°	61.3	2.1
120°-130°	76.6	2.7
130°-140°	72.0	2.5
140°-150°	56.8	2.0
150°-160°	39.1	1.4
160°-170°	23.1	0.8
170°-180°	7.6	0.3
0°-30°	719.5	25.2
0°-40°	1156.8	40.5
0°-60°	1983.6	69.4
0°-90°	2468.9	86.4
90°-120°	113.8	4.0
90°-150°	319.1	11.2
90°-180°	389.0	13.6
0°-180°	2857.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	956	956	956	956	956	
5°	957	947	951	948	947	91
15°	910	901	906	901	900	257
25°	825	817	818	808	806	380
35°	710	704	702	690	687	444
45°	582	576	570	562	561	448
55°	443	439	437	428	425	395
65°	297	294	289	283	280	294
75°	154	152	151	146	146	163
85°	33	35	35	33	33	39
90°	3	6	6	6	6	4
95°	11	12	14	14	14	11
105°	29	39	35	38	35	30
115°	42	68	69	60	59	42
125°	56	77	95	98	96	49
135°	65	72	95	118	116	50
145°	72	75	90	104	106	45
155°	75	78	83	89	89	35
165°	78	78	83	84	83	22
175°	80	80	80	80	77	8
180°	78	78	78	78	78	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	955.7	955.7	955.7	955.7	955.7
2.5°	961.7	951.2	955.7	952.7	946.7
5°	957.2	946.7	951.2	948.2	946.7
7.5°	948.2	939.1	943.7	940.6	939.1
10°	937.6	928.6	933.1	928.6	927.1
12.5°	927.1	916.5	921.0	915.0	915.0
15°	910.5	901.4	906.0	901.4	899.9
17.5°	892.4	883.4	886.4	881.8	880.3
20°	871.3	862.3	865.3	859.2	856.2
22.5°	848.7	841.1	844.2	833.6	832.1
25°	824.6	817.0	818.5	808.0	806.5
27.5°	800.4	789.9	792.9	780.8	777.8
30°	771.8	762.8	764.3	752.2	749.2
32.5°	740.1	734.1	734.1	722.1	720.6
35°	710.0	704.0	702.5	690.4	687.4
37.5°	679.9	672.3	670.8	657.2	657.2
40°	646.7	640.7	637.6	627.1	625.6
42.5°	615.0	607.5	604.5	593.9	593.9
45°	581.9	575.8	569.8	562.3	560.8
47.5°	547.2	541.2	538.2	529.1	527.6
50°	512.5	508.0	503.5	495.9	494.4
52.5°	476.3	473.3	470.3	462.8	458.3
55°	443.2	438.7	437.2	428.1	425.1
57.5°	407.0	402.5	401.0	390.4	385.9
60°	367.8	363.3	361.8	352.7	351.2
62.5°	333.1	328.6	325.6	319.6	316.6
65°	297.0	293.9	289.4	283.4	280.4
67.5°	260.8	257.8	253.2	248.7	245.7
70°	224.6	221.6	218.6	212.5	211.0
72.5°	188.4	185.4	182.4	179.4	179.4
75°	153.8	152.3	150.7	146.2	146.2
77.5°	119.1	117.6	116.1	114.6	114.6
80°	87.4	87.4	85.9	84.4	84.4
82.5°	58.8	58.8	58.8	57.3	57.3
85°	33.2	34.7	34.7	33.2	33.2
87.5°	13.6	13.6	13.6	13.6	13.6
90°	3.0	6.0	6.0	6.0	6.0
92.5°	6.0	7.5	9.0	10.6	9.0
95°	10.6	12.1	13.6	13.6	13.6
97.5°	16.6	18.1	18.1	18.1	18.1
100°	21.1	24.1	22.6	24.1	22.6
102.5°	25.6	31.7	31.7	28.6	28.6
105°	28.6	39.2	34.7	37.7	34.7
107.5°	31.7	48.2	40.7	42.2	43.7
110°	36.2	54.3	49.7	45.2	46.7



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	39.2	66.3	58.8	52.8	51.3
115°	42.2	67.8	69.3	60.3	58.8
117.5°	46.7	67.8	78.4	70.8	67.8
120°	49.7	72.4	85.9	79.9	76.9
122.5°	52.8	75.4	90.4	90.4	87.4
125°	55.8	76.9	95.0	98.0	96.5
127.5°	57.3	72.4	102.5	107.0	105.5
130°	60.3	69.3	101.0	108.5	113.1
132.5°	63.3	70.8	98.0	110.0	113.1
135°	64.8	72.4	95.0	117.6	116.1
137.5°	66.3	73.9	96.5	113.1	120.6
140°	69.3	73.9	98.0	107.0	116.1
142.5°	70.8	75.4	98.0	102.5	108.5
145°	72.4	75.4	90.4	104.0	105.5
147.5°	72.4	76.9	84.4	105.5	105.5
150°	73.9	76.9	84.4	105.5	105.5
152.5°	75.4	78.4	82.9	92.0	104.0
155°	75.4	78.4	82.9	88.9	88.9
157.5°	76.9	78.4	82.9	87.4	87.4
160°	76.9	78.4	82.9	85.9	84.4
162.5°	78.4	78.4	81.4	84.4	82.9
165°	78.4	78.4	82.9	84.4	82.9
167.5°	78.4	79.9	81.4	82.9	81.4
170°	79.9	79.9	81.4	81.4	79.9
172.5°	79.9	79.9	81.4	79.9	78.4
175°	79.9	79.9	79.9	79.9	76.9
177.5°	79.9	78.4	79.9	78.4	75.4
180°	78.4	78.4	78.4	78.4	78.4

(END OF REPORT)