

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: P275278

Luminaire Tested: **JW-WL-20L92765-1D-UNV-W2A-W-4 (6500K)**

Issue Date: 3/3/2020

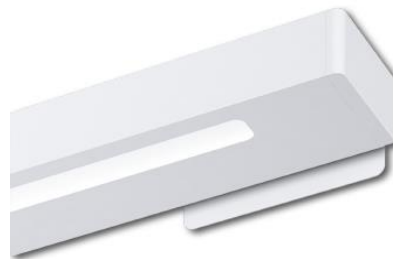
Test Information

Test Method: LM-79-08
Report Number: P275278
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1805-784-20)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: JW-WL-20L92765-1D-UNV-W2A-W-4 (6500K)
Description: JAYLUM WALL LED LUMINAIRE, FROSTED LENS.
2700K-6500K CCT VividTune LIGHT ENGINE.
Light Source: (168) 2700K-6500K CCT, 90 CRI LEDS, TUNED TO 6500K CCT.
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1899.6 lumens
Efficiency: N/A
Efficacy: 103.8 lumens/watt
Spacing Criteria (0/90/45): 1.29 / 1.26 / 1.4
Luminous Opening: Rectangular (W 4' x L: 0.17' x H: 0')
CIE Type: Semi-Indirect

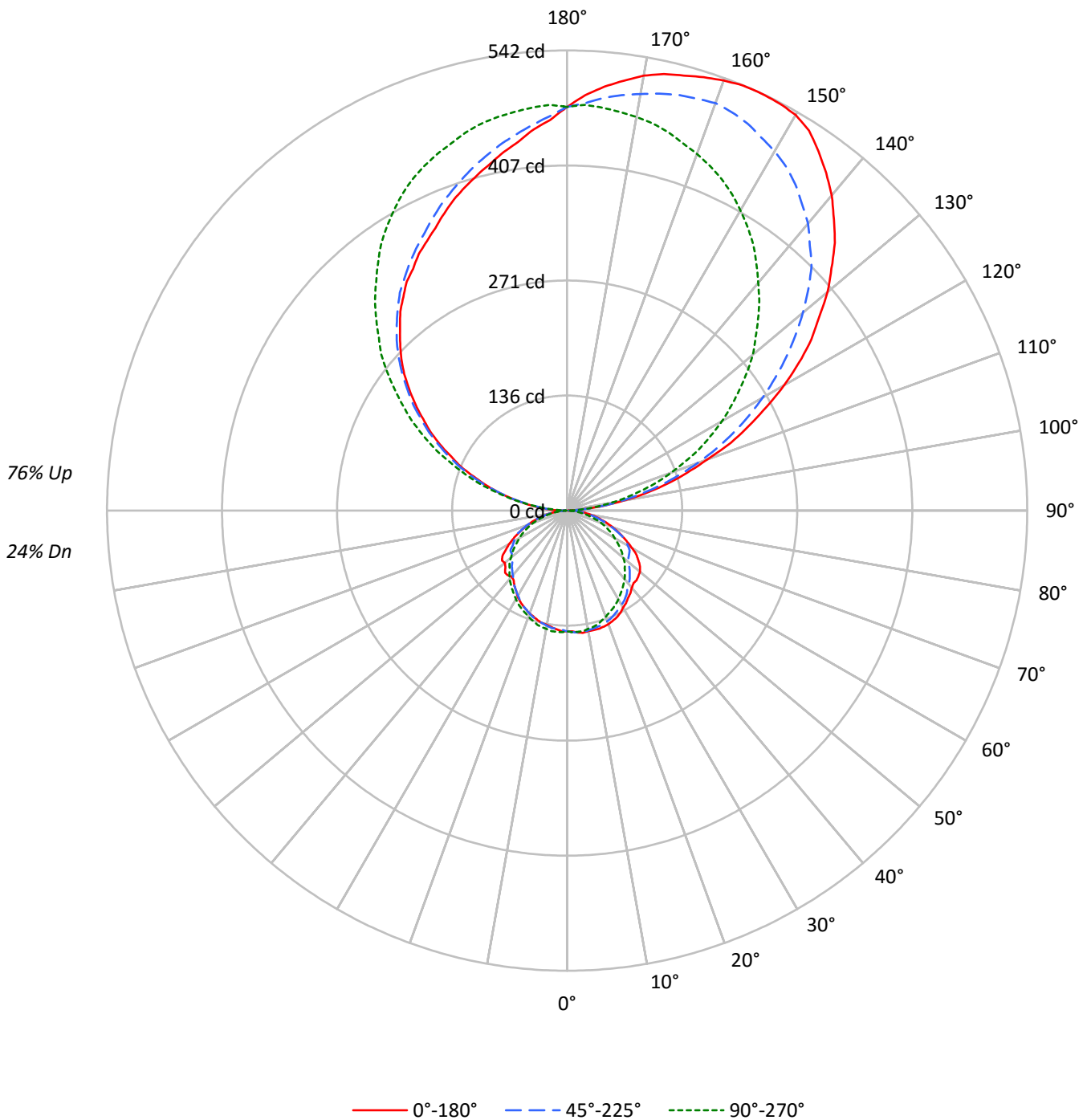
Input Watts (W): 18.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																		
0	101	101	101	101	90	90	90	90	69	69	69	50	50	50	32	32	32	24
1	92	87	84	80	81	78	75	72	60	58	56	43	42	41	28	27	26	19
2	83	76	70	65	74	68	63	58	52	49	46	38	35	33	24	23	22	16
3	76	67	59	54	67	59	53	48	46	41	38	33	30	28	21	20	18	13
4	69	59	51	45	61	52	46	41	40	36	32	29	26	24	19	17	16	11
5	63	52	44	38	56	46	40	35	36	31	27	26	23	20	17	15	13	10
6	58	46	38	33	51	41	35	30	32	27	24	23	20	18	15	13	12	8
7	53	42	34	29	47	37	31	26	29	24	21	21	18	15	14	12	10	7
8	49	38	30	25	44	34	27	23	26	21	18	19	16	14	13	11	9	7
9	46	34	27	22	41	31	24	20	24	19	16	18	14	12	12	10	8	6
10	43	31	24	19	38	28	22	18	22	17	14	16	13	11	11	9	7	5

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°
0°	2298	2298	2298
5°	2337	2323	2277
10°	2364	2318	2241
15°	2410	2317	2237
20°	2445	2283	2218
25°	2469	2266	2198
30°	2459	2247	2176
35°	2470	2225	2133
40°	2500	2219	2139
45°	2644	2187	2361
50°	2813	2170	2406
55°	2885	2137	2618
60°	2851	2083	2545
65°	2755	2067	2430
70°	2686	2016	2327
75°	2608	1834	2190
80°	2650	1674	2027
85°	3168	1575	2112



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	13.6	0.7
10°-20°	39.0	2.1
20°-30°	59.4	3.1
30°-40°	72.0	3.8
40°-50°	77.6	4.1
50°-60°	76.4	4.0
60°-70°	62.1	3.3
70°-80°	38.5	2.0
80°-90°	13.5	0.7
90°-100°	27.3	1.4
100°-110°	103.1	5.4
110°-120°	182.3	9.6
120°-130°	239.2	12.6
130°-140°	263.8	13.9
140°-150°	251.4	13.2
150°-160°	203.9	10.7
160°-170°	131.5	6.9
170°-180°	45.2	2.4
0°-30°	112.0	5.9
0°-40°	184.0	9.7
0°-60°	337.9	17.8
0°-90°	451.9	23.8
90°-120°	312.7	16.5
90°-150°	1067.1	56.2
90°-180°	1448.0	76.2
0°-180°	1899.6	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	142	142	142	142	142	
5°	144	144	143	140	140	14
15°	144	141	139	134	134	41
25°	139	134	127	123	123	64
35°	125	122	113	108	108	79
45°	116	104	96	92	103	89
55°	102	89	76	82	93	91
65°	72	71	54	64	64	71
75°	42	40	29	35	35	45
85°	17	15	8	11	11	16
90°	1	1	1	2	2	3
95°	20	23	20	25	27	27
105°	122	112	90	84	84	128
115°	236	215	172	156	151	234
125°	351	315	248	223	218	312
135°	446	407	318	284	278	343
145°	516	469	382	334	329	323
155°	542	503	431	378	367	250
165°	530	507	461	420	409	151
175°	501	488	476	456	451	48
180°	475	475	475	475	475	



TEST NUMBER: P275278

CATALOG NUMBER: JW-WL-20L92765-1D-UNV-W2A-W-4 (6500K)

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°
0°	142.3	142.3	142.3	142.3	142.3	142.3	142.3	142.3	142.3
2.5°	142.3	143.3	143.3	143.3	143.3	143.3	140.5	141.4	142.3
5°	144.2	144.2	144.2	143.3	143.3	142.3	139.5	140.5	140.5
7.5°	145.2	145.2	144.2	143.3	143.3	142.3	139.5	139.5	138.6
10°	144.2	145.2	143.3	143.3	141.4	140.5	137.6	137.6	136.7
12.5°	144.2	145.2	142.3	141.4	140.5	137.6	135.7	135.7	135.7
15°	144.2	145.2	141.4	140.5	138.6	135.7	133.8	133.8	133.8
17.5°	143.3	143.3	140.5	137.6	135.7	132.9	131.9	131.9	131.0
20°	142.3	142.3	138.6	135.7	132.9	130.0	129.1	129.1	129.1
22.5°	140.5	140.5	136.7	133.8	130.0	127.2	126.2	126.2	126.2
25°	138.6	137.6	133.8	131.0	127.2	124.3	123.4	122.4	123.4
27.5°	135.7	134.8	131.0	127.2	124.3	121.5	119.6	119.6	120.5
30°	131.9	131.9	128.1	124.3	120.5	117.7	115.8	115.8	116.7
32.5°	129.1	129.1	125.3	120.5	116.7	114.8	112.0	112.0	112.0
35°	125.3	125.3	121.5	116.7	112.9	110.1	108.2	108.2	108.2
37.5°	122.4	122.4	116.7	112.9	109.1	106.3	103.4	103.4	103.4
40°	118.6	117.7	112.9	109.1	105.3	102.5	99.6	99.6	101.5
42.5°	115.8	112.9	109.1	105.3	100.6	97.7	95.8	97.7	103.4
45°	115.8	110.1	104.4	100.6	95.8	93.0	92.1	98.7	103.4
47.5°	113.9	110.1	99.6	95.8	92.1	88.3	87.3	98.7	98.7
50°	112.0	108.2	94.0	90.2	86.4	83.5	83.5	94.0	95.8
52.5°	108.2	105.3	91.1	85.4	81.6	78.8	82.6	90.2	96.8
55°	102.5	101.5	89.2	79.7	75.9	73.1	81.6	91.1	93.0
57.5°	96.8	96.8	87.3	73.1	70.2	68.3	75.9	86.4	85.4
60°	88.3	89.2	82.6	68.3	64.5	62.6	72.1	78.8	78.8
62.5°	79.7	80.7	77.8	62.6	59.8	56.9	71.2	71.2	71.2
65°	72.1	72.1	71.2	56.9	54.1	51.2	64.5	63.6	63.6
67.5°	64.5	64.5	62.6	51.2	48.4	48.4	56.9	56.9	56.0
70°	56.9	56.9	55.0	47.4	42.7	44.6	50.3	49.3	49.3
72.5°	49.3	49.3	47.4	42.7	36.1	38.9	41.8	41.8	42.7
75°	41.8	42.7	39.9	37.0	29.4	35.1	35.1	35.1	35.1
77.5°	35.1	35.1	32.3	29.4	23.7	28.5	27.5	28.5	28.5
80°	28.5	28.5	26.6	22.8	18.0	21.8	21.8	21.8	21.8
82.5°	21.8	21.8	19.9	17.1	12.3	15.2	16.1	16.1	16.1
85°	17.1	17.1	15.2	11.4	8.5	9.5	11.4	11.4	11.4
87.5°	12.3	12.3	10.4	7.6	4.7	6.6	6.6	5.7	5.7
90°	0.9	0.9	0.9	0.9	0.9	0.9	1.9	0.9	1.9
92.5°	4.7	4.7	5.7	7.6	7.6	11.4	13.3	15.2	15.2
95°	19.9	20.9	22.8	21.8	19.9	22.8	24.7	26.6	26.6
97.5°	42.7	43.7	41.8	38.9	35.1	36.1	36.1	38.9	39.9
100°	67.4	66.4	63.6	59.8	53.1	51.2	50.3	52.2	52.2
102.5°	94.9	93.0	86.4	79.7	71.2	67.4	67.4	66.4	67.4
105°	122.4	119.6	112.0	100.6	90.2	86.4	83.5	82.6	84.5
107.5°	148.0	147.1	137.6	123.4	111.0	104.4	102.5	100.6	100.6
110°	174.6	172.7	163.2	145.2	130.0	123.4	120.5	117.7	116.7



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°
112.5°	208.8	203.1	189.8	169.9	149.9	143.3	138.6	135.7	135.7
115°	236.3	230.6	215.4	193.6	171.8	161.3	155.6	152.8	150.9
117.5°	264.8	259.1	241.0	216.4	190.7	180.3	172.7	171.8	168.9
120°	295.1	287.5	265.7	239.1	210.7	196.4	189.8	187.9	186.0
122.5°	323.6	314.1	290.4	260.0	228.7	212.6	205.9	204.0	201.2
125°	351.1	339.7	315.1	282.8	247.7	229.7	223.0	220.2	218.3
127.5°	373.9	366.3	338.8	303.7	266.7	245.8	238.2	235.4	234.4
130°	400.5	390.0	362.5	322.7	285.6	261.9	254.3	249.6	250.5
132.5°	422.3	413.8	385.3	342.6	300.8	277.1	269.5	264.8	264.8
135°	446.0	436.5	407.1	360.6	317.9	293.2	283.8	279.0	278.1
137.5°	465.0	457.4	423.3	377.7	335.0	307.5	297.0	293.2	291.3
140°	484.9	474.5	441.3	394.8	350.2	322.7	310.3	307.5	305.6
142.5°	501.1	489.7	454.6	410.0	366.3	336.9	323.6	320.8	317.0
145°	516.3	503.0	468.8	424.2	382.4	350.2	334.0	331.2	329.3
147.5°	530.5	515.3	480.2	436.5	395.7	363.5	345.4	342.6	337.8
150°	538.1	523.8	488.7	448.9	408.1	374.9	355.9	352.1	349.2
152.5°	540.9	530.5	495.4	459.3	420.4	388.1	366.3	361.6	357.8
155°	541.9	532.4	503.0	467.9	430.8	400.5	377.7	371.1	367.3
157.5°	541.9	531.4	507.7	474.5	439.4	410.9	389.1	381.5	378.7
160°	539.0	531.4	510.6	480.2	447.0	420.4	399.5	391.0	390.0
162.5°	535.2	529.5	508.7	484.0	453.6	429.9	410.0	401.4	399.5
165°	530.5	525.7	506.8	487.8	461.2	438.4	420.4	412.8	409.0
167.5°	526.7	521.0	503.0	487.8	466.9	447.0	429.9	424.2	418.5
170°	520.1	515.3	498.2	486.8	470.7	452.7	439.4	433.7	428.9
172.5°	510.6	506.8	493.5	485.9	473.6	459.3	447.9	444.1	438.4
175°	501.1	499.2	487.8	484.9	476.4	466.0	456.5	454.6	450.8
177.5°	489.7	488.7	480.2	482.1	478.3	470.7	465.0	466.0	460.3
180°	475.4	475.4	475.4	475.4	475.4	475.4	475.4	475.4	475.4

(END OF REPORT)