

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: P275276

Luminaire Tested: **JW-WL-20L92765-1D-UNV-W2A-W-4 (5000K)**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P275276
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 (5000K)
Description: JAYLUM WALL LED LUMINAIRE, FROSTED LENS.
2700K-6500K CCT VividTune LIGHT ENGINE.
Light Source: (168) 2700K-6500K CCT, 90 CRI LEDS, TUNED TO 5000K CCT.
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1849.6 lumens
Efficiency: N/A
Efficacy: 103.3 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

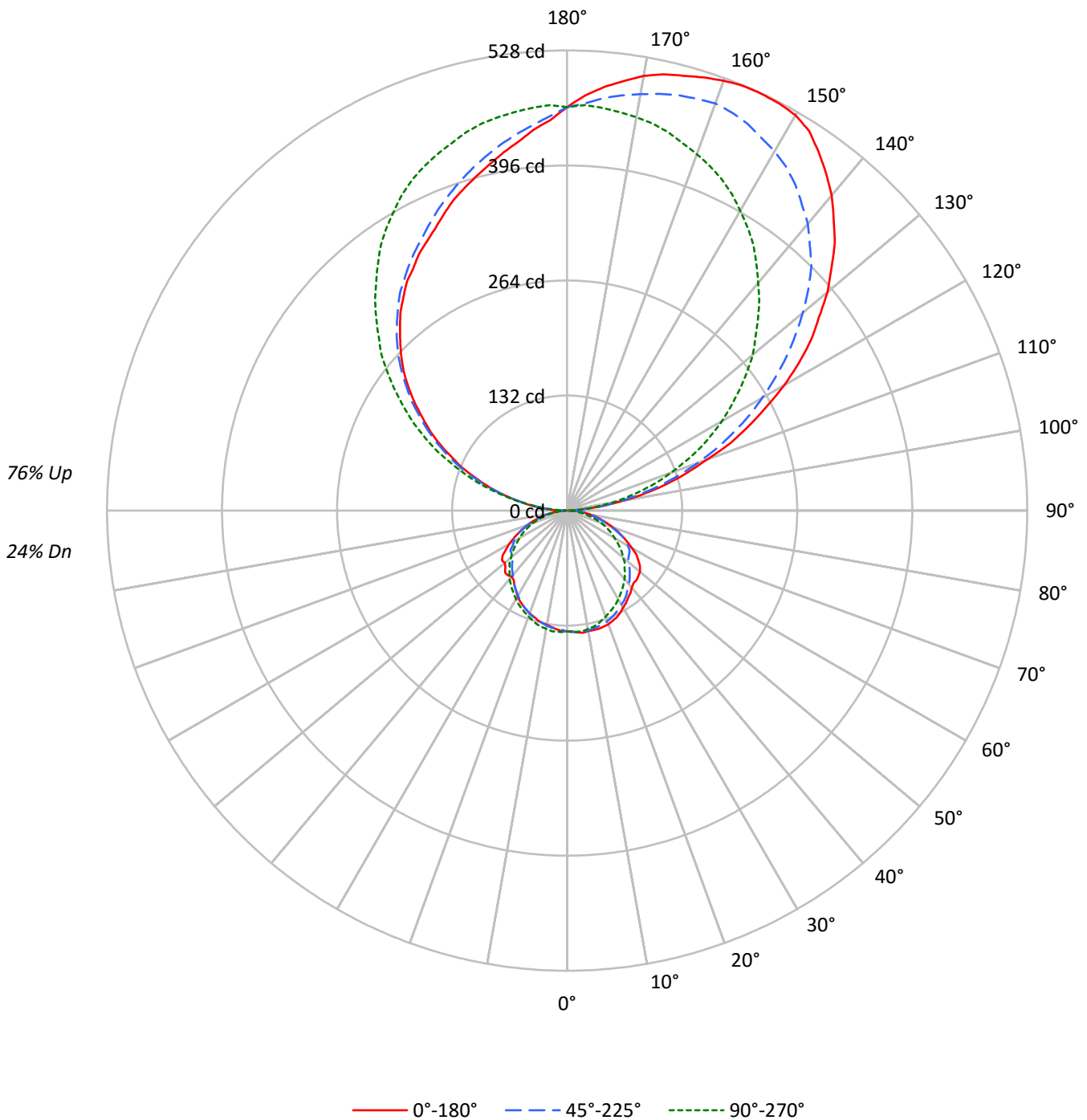
Input Watts (W): 17.9
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	2238	2238	2238
5°	2276	2261	2217
10°	2302	2258	2182
15°	2347	2255	2178
20°	2381	2223	2160
25°	2403	2205	2140
30°	2394	2187	2120
35°	2405	2168	2076
40°	2434	2162	2085
45°	2573	2130	2299
50°	2738	2112	2344
55°	2809	2080	2550
60°	2774	2028	2477
65°	2682	2013	2365
70°	2615	1964	2266
75°	2539	1784	2133
80°	2576	1636	1980
85°	3075	1538	2056



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	13.2	0.7
10°-20°	38.0	2.1
20°-30°	57.8	3.1
30°-40°	70.1	3.8
40°-50°	75.5	4.1
50°-60°	74.4	4.0
60°-70°	60.4	3.3
70°-80°	37.5	2.0
80°-90°	13.2	0.7
90°-100°	26.6	1.4
100°-110°	100.4	5.4
110°-120°	177.5	9.6
120°-130°	232.9	12.6
130°-140°	256.9	13.9
140°-150°	244.8	13.2
150°-160°	198.5	10.7
160°-170°	128.0	6.9
170°-180°	44.0	2.4
0°-30°	109.0	5.9
0°-40°	179.1	9.7
0°-60°	329.0	17.8
0°-90°	440.1	23.8
90°-120°	304.5	16.5
90°-150°	1039.0	56.2
90°-180°	1410.0	76.2
0°-180°	1849.6	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	139	139	139	139	139	
5°	140	140	140	136	137	13
15°	140	138	135	130	130	40
25°	135	130	124	120	120	62
35°	122	118	110	105	105	77
45°	113	102	93	90	101	87
55°	100	87	74	80	91	89
65°	70	69	53	63	62	70
75°	41	39	29	34	34	43
85°	17	15	8	11	11	16
90°	1	1	1	2	2	3
95°	19	22	19	24	26	26
105°	119	109	88	81	82	125
115°	230	210	167	152	147	228
125°	342	307	241	217	212	304
135°	434	396	310	276	271	334
145°	503	456	372	325	321	314
155°	528	490	420	368	358	244
165°	516	493	449	409	398	147
175°	488	475	464	444	439	47
180°	463	463	463	463	463	



TEST NUMBER: P275276

CATALOG NUMBER: JW-WL-20L92765-1D-UNV-W2A-W-4 (5000K)

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°
0°	138.6	138.6	138.6	138.6	138.6	138.6	138.6	138.6	138.6
2.5°	138.6	139.5	139.5	139.5	139.5	139.5	136.8	137.7	138.6
5°	140.4	140.4	140.4	139.5	139.5	138.6	135.8	136.8	136.8
7.5°	141.4	141.4	140.4	139.5	139.5	138.6	135.8	135.8	134.9
10°	140.4	141.4	139.5	139.5	137.7	136.8	134.0	134.0	133.1
12.5°	140.4	141.4	138.6	137.7	136.8	134.0	132.1	132.1	132.1
15°	140.4	141.4	137.7	136.8	134.9	132.1	130.3	130.3	130.3
17.5°	139.5	139.5	136.8	134.0	132.1	129.4	128.4	128.4	127.5
20°	138.6	138.6	134.9	132.1	129.4	126.6	125.7	125.7	125.7
22.5°	136.8	136.8	133.1	130.3	126.6	123.8	122.9	122.9	122.9
25°	134.9	134.0	130.3	127.5	123.8	121.0	120.1	119.2	120.1
27.5°	132.1	131.2	127.5	123.8	121.0	118.3	116.4	116.4	117.3
30°	128.4	128.4	124.7	121.0	117.3	114.6	112.7	112.7	113.7
32.5°	125.7	125.7	122.0	117.3	113.7	111.8	109.0	109.0	109.0
35°	122.0	122.0	118.3	113.7	110.0	107.2	105.3	105.3	105.3
37.5°	119.2	119.2	113.7	110.0	106.3	103.5	100.7	100.7	100.7
40°	115.5	114.6	110.0	106.3	102.6	99.8	97.0	97.0	98.9
42.5°	112.7	110.0	106.3	102.6	97.9	95.2	93.3	95.2	100.7
45°	112.7	107.2	101.6	97.9	93.3	90.6	89.6	96.1	100.7
47.5°	110.9	107.2	97.0	93.3	89.6	85.9	85.0	96.1	96.1
50°	109.0	105.3	91.5	87.8	84.1	81.3	81.3	91.5	93.3
52.5°	105.3	102.6	88.7	83.2	79.5	76.7	80.4	87.8	94.2
55°	99.8	98.9	86.9	77.6	73.9	71.1	79.5	88.7	90.6
57.5°	94.2	94.2	85.0	71.1	68.4	66.5	73.9	84.1	83.2
60°	85.9	86.9	80.4	66.5	62.8	61.0	70.2	76.7	76.7
62.5°	77.6	78.5	75.8	61.0	58.2	55.4	69.3	69.3	69.3
65°	70.2	70.2	69.3	55.4	52.7	49.9	62.8	61.9	61.9
67.5°	62.8	62.8	61.0	49.9	47.1	47.1	55.4	55.4	54.5
70°	55.4	55.4	53.6	46.2	41.6	43.4	49.0	48.0	48.0
72.5°	48.0	48.0	46.2	41.6	35.1	37.9	40.7	40.7	41.6
75°	40.7	41.6	38.8	36.0	28.6	34.2	34.2	34.2	34.2
77.5°	34.2	34.2	31.4	28.6	23.1	27.7	26.8	27.7	27.7
80°	27.7	27.7	25.9	22.2	17.6	21.3	21.3	21.3	21.3
82.5°	21.3	21.3	19.4	16.6	12.0	14.8	15.7	15.7	15.7
85°	16.6	16.6	14.8	11.1	8.3	9.2	11.1	11.1	11.1
87.5°	12.0	12.0	10.2	7.4	4.6	6.5	6.5	5.5	5.5
90°	0.9	0.9	0.9	0.9	0.9	0.9	1.8	0.9	1.8
92.5°	4.6	4.6	5.5	7.4	7.4	11.1	12.9	14.8	14.8
95°	19.4	20.3	22.2	21.3	19.4	22.2	24.0	25.9	25.9
97.5°	41.6	42.5	40.7	37.9	34.2	35.1	35.1	37.9	38.8
100°	65.6	64.7	61.9	58.2	51.7	49.9	49.0	50.8	50.8
102.5°	92.4	90.6	84.1	77.6	69.3	65.6	65.6	64.7	65.6
105°	119.2	116.4	109.0	97.9	87.8	84.1	81.3	80.4	82.2
107.5°	144.1	143.2	134.0	120.1	108.1	101.6	99.8	97.9	97.9
110°	170.0	168.2	158.9	141.4	126.6	120.1	117.3	114.6	113.7



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°
112.5°	203.3	197.7	184.8	165.4	146.0	139.5	134.9	132.1	132.1
115°	230.1	224.5	209.7	188.5	167.2	157.1	151.5	148.8	146.9
117.5°	257.8	252.3	234.7	210.7	185.7	175.6	168.2	167.2	164.5
120°	287.4	280.0	258.7	232.8	205.1	191.3	184.8	183.0	181.1
122.5°	315.1	305.8	282.7	253.2	222.7	207.0	200.5	198.7	195.9
125°	341.9	330.8	306.8	275.4	241.2	223.6	217.1	214.4	212.5
127.5°	364.1	356.7	329.9	295.7	259.6	239.3	231.9	229.2	228.2
130°	389.9	379.8	353.0	314.2	278.1	255.0	247.6	243.0	243.9
132.5°	411.2	402.9	375.1	333.6	292.9	269.8	262.4	257.8	257.8
135°	434.3	425.0	396.4	351.1	309.5	285.5	276.3	271.7	270.7
137.5°	452.8	445.4	412.1	367.8	326.2	299.4	289.2	285.5	283.7
140°	472.2	462.0	429.7	384.4	341.0	314.2	302.1	299.4	297.5
142.5°	487.9	476.8	442.6	399.2	356.7	328.0	315.1	312.3	308.6
145°	502.7	489.7	456.5	413.0	372.4	341.0	325.2	322.5	320.6
147.5°	516.5	501.7	467.5	425.0	385.3	353.9	336.3	333.6	328.9
150°	523.9	510.0	475.9	437.1	397.3	365.0	346.5	342.8	340.0
152.5°	526.7	516.5	482.3	447.2	409.3	377.9	356.7	352.0	348.3
155°	527.6	518.4	489.7	455.5	419.5	389.9	367.8	361.3	357.6
157.5°	527.6	517.4	494.3	462.0	427.8	400.1	378.8	371.4	368.7
160°	524.8	517.4	497.1	467.5	435.2	409.3	389.0	380.7	379.8
162.5°	521.1	515.6	495.3	471.2	441.7	418.6	399.2	390.9	389.0
165°	516.5	511.9	493.4	474.9	449.1	426.9	409.3	401.9	398.2
167.5°	512.8	507.3	489.7	474.9	454.6	435.2	418.6	413.0	407.5
170°	506.4	501.7	485.1	474.0	458.3	440.7	427.8	422.3	417.6
172.5°	497.1	493.4	480.5	473.1	461.1	447.2	436.1	432.4	426.9
175°	487.9	486.0	474.9	472.2	463.8	453.7	444.4	442.6	438.9
177.5°	476.8	475.9	467.5	469.4	465.7	458.3	452.8	453.7	448.1
180°	462.9	462.9	462.9	462.9	462.9	462.9	462.9	462.9	462.9

(END OF REPORT)