

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: P286863

Luminaire Tested: **DWI-WA-25L835-1D-UNV-STD-W-WM-4**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P286863
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (ITL87014-GONIOPHOTOMETRY)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: DWI-WA-25L835-1D-UNV-STD-W-WM-4
Description: DIVIDE 4' WALL MOUNTED DIRECT/INDIRECT LED LUMINAIRE
WAVESTREAM SPECULAR OPTIC, ASYMMETRIC
Light Source: (154) 3500K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2476.0 lumens
Efficiency: N/A
Efficacy: 130.3 lumens/watt
Spacing Criteria (0/90/45): 1.55 / 1.46 / 1.61
Luminous Opening: Rectangular (W 3.86' x L: 0.36' x H: 0')
CIE Type: General Diffuse

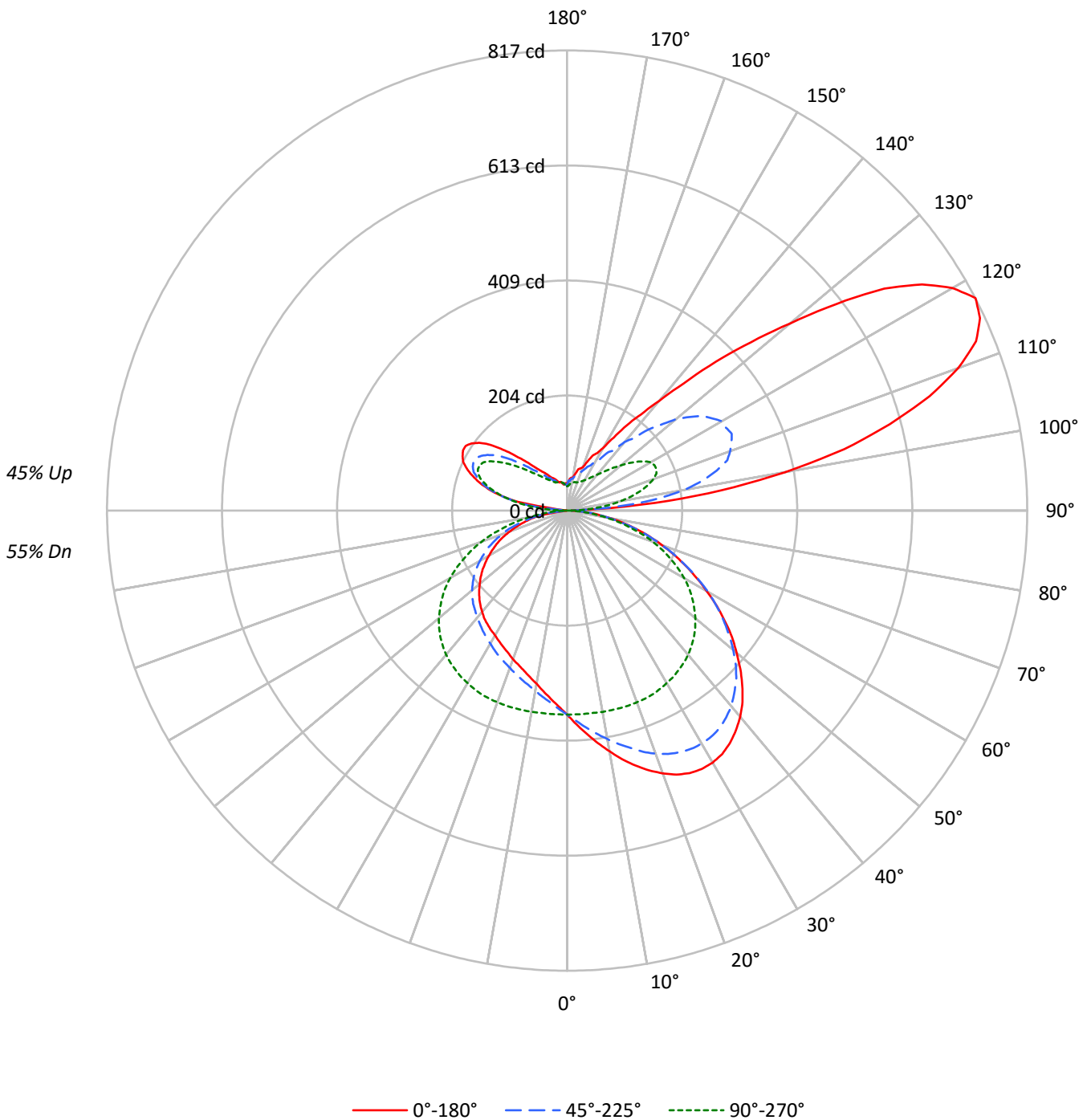
Input Watts (W): 19
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	108	108	108	108	101	101	101	101	86	86	86	73	73	73	61	61	61	55
1	98	94	90	86	91	87	84	80	75	72	70	64	62	60	53	52	51	46
2	89	81	75	69	82	76	70	65	65	61	57	55	52	49	46	44	42	37
3	81	71	63	57	75	66	59	54	57	52	47	48	44	41	40	37	35	31
4	74	62	54	48	68	58	51	45	50	44	40	43	38	34	36	32	29	26
5	68	55	47	41	62	52	44	38	45	38	34	38	33	29	32	28	25	22
6	62	49	41	35	57	46	38	33	40	34	29	34	29	26	29	25	22	19
7	57	44	36	30	53	42	34	29	36	30	26	31	26	22	26	22	19	17
8	53	40	32	27	49	38	30	25	33	27	22	28	23	20	24	20	17	15
9	49	37	29	24	46	34	27	22	30	24	20	26	21	18	22	18	15	13
10	46	33	26	21	43	31	25	20	27	22	18	24	19	16	20	16	14	12

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°
0°	2767	2767	2767
5°	3050	2778	2571
10°	3367	2816	2423
15°	3706	2871	2331
20°	4036	2945	2285
25°	4334	3032	2256
30°	4558	3120	2257
35°	4700	3220	2299
40°	4766	3334	2341
45°	4753	3439	2381
50°	4666	3532	2408
55°	4554	3610	2440
60°	4373	3664	2451
65°	4197	3662	2473
70°	3998	3621	2415
75°	3763	3415	2317
80°	3454	3044	2116
85°	3033	2516	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	34.9	1.4
10°-20°	105.9	4.3
20°-30°	174.2	7.0
30°-40°	227.5	9.2
40°-50°	252.1	10.2
50°-60°	239.7	9.7
60°-70°	191.7	7.7
70°-80°	115.4	4.7
80°-90°	28.7	1.2
90°-100°	73.0	2.9
100°-110°	243.7	9.8
110°-120°	296.3	12.0
120°-130°	237.2	9.6
130°-140°	134.3	5.4
140°-150°	65.7	2.7
150°-160°	33.9	1.4
160°-170°	16.6	0.7
170°-180°	4.9	0.2
0°-30°	315.1	12.7
0°-40°	542.6	21.9
0°-60°	1034.4	41.8
0°-90°	1370.2	55.3
90°-120°	613.1	24.8
90°-150°	1050.4	42.4
90°-180°	1106.0	44.7
0°-180°	2476.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	362	362	362	362	362	
5°	398	387	362	342	335	39
15°	469	436	363	311	295	133
25°	514	474	360	285	268	237
35°	504	472	345	261	246	315
45°	440	425	318	236	220	339
55°	342	339	271	202	183	305
65°	232	234	203	154	137	230
75°	128	126	116	90	78	135
85°	35	33	29	2	0	37
90°	8	6	0	0	0	8
95°	157	102	51	5	0	175
105°	593	275	135	139	142	617
115°	809	322	175	185	204	788
125°	687	293	151	172	208	606
135°	374	204	102	118	146	295
145°	185	127	71	78	90	119
155°	108	86	57	59	64	49
165°	76	64	52	51	52	21
175°	57	52	46	47	48	5
180°	43	43	43	43	43	



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	362.2	362.2	362.2	362.2	362.2	362.2	362.2	362.2	362.2	362.2	362.2
2.5°	379.9	379.9	379.1	378.2	376.5	374.0	371.5	368.9	366.4	363.9	362.2
5°	397.7	397.7	396.0	394.3	390.9	386.7	381.6	377.4	370.6	365.6	362.2
7.5°	416.2	416.2	413.7	410.3	406.1	399.3	392.6	385.0	374.9	367.3	362.2
10°	434.0	434.0	431.4	428.0	421.3	412.0	402.7	391.7	379.9	368.9	363.0
12.5°	452.5	452.5	448.3	444.1	435.6	424.7	412.8	398.5	385.0	369.8	363.0
15°	468.6	468.6	465.2	460.1	450.0	436.5	422.1	404.4	388.4	371.5	363.0
17.5°	483.8	483.8	480.4	473.6	463.5	449.2	431.4	410.3	391.7	372.3	363.0
20°	496.4	496.4	493.1	486.3	475.3	459.3	439.0	417.1	394.3	373.2	362.2
22.5°	507.4	506.6	503.2	495.6	484.6	467.7	446.6	420.4	396.8	373.2	361.3
25°	514.2	513.3	509.9	503.2	490.5	473.6	450.8	423.0	397.7	373.2	359.7
27.5°	517.5	516.7	514.2	506.6	494.7	477.0	454.2	425.5	397.7	372.3	357.1
30°	516.7	516.7	513.3	507.4	495.6	477.9	455.1	425.5	396.8	369.8	353.7
32.5°	512.5	511.6	509.1	504.0	493.1	476.2	454.2	423.8	395.1	366.4	350.4
35°	504.0	504.0	502.3	497.3	488.0	471.9	449.2	419.6	390.9	361.3	345.3
37.5°	492.2	492.2	491.4	487.1	478.7	463.5	442.4	414.5	385.0	356.3	340.2
40°	477.9	478.7	477.0	473.6	466.9	453.4	434.0	406.9	378.2	349.5	334.3
42.5°	461.0	461.0	459.3	457.6	451.7	439.0	422.1	396.8	369.8	341.1	326.7
45°	439.9	439.9	439.0	438.2	433.1	424.7	408.6	385.0	359.7	331.8	318.3
47.5°	417.1	417.9	417.1	417.1	413.7	406.1	391.7	369.8	347.8	321.7	308.2
50°	392.6	394.3	393.4	394.3	390.9	385.0	373.2	354.6	334.3	309.8	297.2
52.5°	368.9	368.1	367.3	368.9	367.3	362.2	352.1	337.7	318.3	296.3	284.5
55°	341.9	341.1	341.9	343.6	341.9	338.6	331.0	317.4	301.4	282.0	271.0
57.5°	314.9	314.1	314.9	316.6	315.8	314.1	307.3	296.3	283.7	265.9	256.7
60°	286.2	287.1	287.9	288.7	290.4	288.7	282.0	274.4	264.3	249.1	239.8
62.5°	259.2	259.2	260.9	261.7	262.6	260.9	257.5	250.7	244.0	230.5	222.0
65°	232.2	232.2	233.0	233.9	235.6	233.9	231.3	227.1	221.2	210.2	202.6
67.5°	206.0	205.2	206.0	207.7	206.8	206.8	203.5	202.6	197.6	189.1	183.2
70°	179.0	178.1	179.0	179.0	179.8	179.0	178.1	177.3	173.1	168.9	162.1
72.5°	153.7	152.0	152.8	153.7	152.8	152.8	151.1	151.1	148.6	145.2	139.3
75°	127.5	126.6	126.6	126.6	126.6	125.8	123.3	125.0	124.1	121.6	115.7
77.5°	102.2	102.2	103.0	101.3	102.2	99.6	100.5	98.8	99.6	97.1	92.9
80°	78.5	77.7	77.7	77.7	77.7	76.0	75.1	74.3	76.0	73.5	69.2
82.5°	54.0	54.9	54.0	53.2	54.0	54.0	53.2	51.5	52.3	49.8	47.3
85°	34.6	34.6	34.6	32.9	32.9	32.9	33.8	32.9	32.1	30.4	28.7
87.5°	16.0	16.9	16.9	16.9	16.9	16.0	16.0	15.2	14.4	13.5	12.7
90°	8.4	8.4	7.6	7.6	6.8	5.9	5.1	3.4	2.5	0.8	0.0
92.5°	25.3	20.3	26.2	27.9	27.9	27.9	24.5	22.8	23.6	23.6	24.5
95°	157.0	150.3	155.3	148.6	130.9	102.2	68.4	54.9	52.3	49.8	50.7
97.5°	276.1	269.3	271.9	256.7	221.2	162.9	107.2	83.6	79.4	74.3	74.3
100°	392.6	387.5	381.6	359.7	301.4	211.1	139.3	109.8	104.7	97.9	96.2
102.5°	504.0	495.6	482.9	444.1	367.3	246.5	165.5	132.6	128.3	119.0	116.5
105°	592.7	585.1	571.6	511.6	412.8	275.2	185.7	153.7	149.4	137.6	135.1
107.5°	674.6	670.4	636.6	570.7	444.1	298.0	206.0	173.9	166.3	154.5	150.3
110°	738.7	732.0	698.2	610.4	466.0	308.2	225.4	192.5	178.1	168.0	162.9



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	786.0	781.0	730.3	629.0	466.9	315.8	236.4	204.3	185.7	177.3	171.4
115°	808.8	801.2	750.6	631.5	463.5	322.5	244.0	209.4	191.6	183.2	174.8
117.5°	817.3	808.8	739.6	613.8	446.6	318.3	252.4	213.6	194.2	184.1	174.8
120°	790.2	782.6	714.3	583.4	431.4	317.4	250.7	217.8	195.0	181.5	171.4
122.5°	747.2	737.9	671.2	546.2	402.7	304.8	244.0	211.1	190.8	173.9	162.9
125°	687.2	678.8	603.7	492.2	379.9	293.0	238.9	199.2	179.0	162.1	151.1
127.5°	602.8	597.7	537.0	444.9	342.8	272.7	220.4	189.1	162.9	149.4	138.5
130°	516.7	513.3	471.9	394.3	313.2	252.4	206.8	176.5	146.9	135.1	125.0
132.5°	442.4	439.9	399.3	337.7	276.9	224.6	185.7	155.3	135.1	120.7	113.1
135°	374.0	373.2	336.0	293.0	241.5	203.5	164.6	140.1	124.1	108.1	102.2
137.5°	305.6	305.6	286.2	251.6	214.4	173.9	150.3	130.0	112.3	97.1	91.2
140°	254.1	250.7	240.6	207.7	179.8	158.7	129.2	113.1	98.8	87.8	83.6
142.5°	215.3	211.9	195.0	179.0	157.9	134.2	122.4	101.3	87.8	79.4	76.8
145°	184.9	184.1	166.3	160.4	141.8	126.6	104.7	97.1	81.9	72.6	70.9
147.5°	153.7	153.7	149.4	134.2	119.9	108.1	100.5	85.3	78.5	67.5	65.9
150°	129.2	129.2	130.0	119.0	113.1	103.8	89.5	78.5	74.3	64.2	62.5
152.5°	114.8	115.7	109.8	112.3	99.6	90.3	82.7	77.7	67.5	60.8	59.1
155°	108.1	108.9	100.5	96.2	89.5	86.1	80.2	70.1	62.5	59.1	56.6
157.5°	93.7	95.4	96.2	86.1	87.8	78.5	70.1	64.2	59.9	58.3	54.0
160°	81.9	82.7	83.6	85.3	75.1	73.5	71.8	65.9	60.8	57.4	53.2
162.5°	78.5	77.7	75.1	75.1	73.5	70.1	62.5	61.6	59.9	56.6	52.3
165°	76.0	76.8	74.3	66.7	68.4	64.2	63.3	55.7	55.7	54.9	52.3
167.5°	66.7	67.5	68.4	67.5	60.8	62.5	58.3	57.4	52.3	54.0	51.5
170°	59.1	59.9	59.1	60.8	62.5	57.4	55.7	56.6	51.5	53.2	50.7
172.5°	59.1	58.3	57.4	54.9	54.0	57.4	55.7	51.5	52.3	51.5	49.0
175°	56.6	57.4	57.4	56.6	54.9	52.3	50.7	51.5	52.3	49.0	46.4
177.5°	51.5	52.3	51.5	52.3	52.3	53.2	53.2	52.3	49.0	45.6	43.9
180°	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1



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CANDELA DISTRIBUTION (continued):

	112.5°	135°	157.5°	180°
0°	362.2	362.2	362.2	362.2
2.5°	357.1	352.1	348.7	347.8
5°	351.2	341.9	336.9	335.2
7.5°	346.2	333.5	325.9	323.4
10°	341.1	325.0	315.8	312.4
12.5°	335.2	317.4	306.5	303.1
15°	331.0	310.7	298.9	294.7
17.5°	325.9	303.9	291.3	287.1
20°	320.8	297.2	284.5	281.1
22.5°	316.6	291.3	278.6	273.5
25°	311.5	285.4	271.9	267.6
27.5°	306.5	279.5	265.9	261.7
30°	301.4	272.7	260.0	255.8
32.5°	295.5	266.8	255.0	251.6
35°	290.4	260.9	249.9	246.5
37.5°	284.5	254.1	244.0	241.5
40°	277.8	248.2	238.1	234.7
42.5°	271.0	241.5	232.2	228.0
45°	263.4	235.6	225.4	220.4
47.5°	255.8	228.0	217.0	211.9
50°	246.5	220.4	207.7	202.6
52.5°	236.4	211.1	198.4	193.3
55°	226.3	201.8	188.3	183.2
57.5°	215.3	190.8	177.3	172.2
60°	202.6	179.0	166.3	160.4
62.5°	189.1	166.3	153.7	148.6
65°	175.6	153.7	141.0	136.8
67.5°	161.3	138.5	126.6	123.3
70°	143.5	123.3	111.4	108.1
72.5°	125.0	108.1	95.4	93.7
75°	106.4	89.5	80.2	78.5
77.5°	87.0	70.9	65.0	64.2
80°	66.7	53.2	49.0	48.1
82.5°	45.6	35.5	4.2	0.0
85°	25.3	2.5	0.8	0.0
87.5°	2.5	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0
92.5°	5.9	0.8	0.0	0.0
95°	44.7	5.1	0.8	0.0
97.5°	75.1	65.9	24.5	0.0
100°	99.6	94.6	92.0	88.6
102.5°	118.2	118.2	119.9	119.0
105°	133.4	139.3	141.0	141.8
107.5°	147.7	157.0	160.4	162.1
110°	159.6	168.9	177.3	178.1



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CANDELA DISTRIBUTION (continued):

	112.5°	135°	157.5°	180°
112.5°	165.5	179.8	189.1	192.5
115°	168.0	184.9	199.2	203.5
117.5°	168.0	187.4	205.2	209.4
120°	166.3	186.6	206.8	213.6
122.5°	159.6	180.7	206.0	213.6
125°	148.6	172.2	198.4	207.7
127.5°	137.6	161.3	186.6	197.6
130°	126.6	147.7	173.9	183.2
132.5°	113.1	133.4	156.2	164.6
135°	101.3	118.2	138.5	146.1
137.5°	92.9	106.4	122.4	128.3
140°	84.4	94.6	108.9	113.1
142.5°	75.1	87.0	95.4	99.6
145°	70.1	77.7	87.0	89.5
147.5°	66.7	73.5	80.2	81.9
150°	61.6	66.7	72.6	76.0
152.5°	58.3	65.0	68.4	69.2
155°	57.4	59.1	65.0	64.2
157.5°	55.7	58.3	59.1	61.6
160°	51.5	54.0	56.6	58.3
162.5°	50.7	54.0	55.7	54.0
165°	51.5	50.7	51.5	51.5
167.5°	49.0	50.7	49.0	52.3
170°	47.3	47.3	49.8	49.0
172.5°	49.0	49.0	46.4	46.4
175°	49.0	47.3	46.4	48.1
177.5°	42.2	46.4	48.1	49.0
180°	43.1	43.1	43.1	43.1

(END OF REPORT)