

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: P286869

Luminaire Tested: **DWI-WA-25L840-1D-UNV-STD-W-WM-4**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P286869  
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-25L840-1D-UNV-STD-W-WM-4  
Description: DIVIDE 4' WALL MOUNTED DIRECT/INDIRECT LED LUMINAIRE  
WAVESTREAM SPECULAR OPTIC, ASYMMETRIC  
Light Source: (154) 4000K CCT, 80 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2499.6 lumens  
Efficiency: N/A  
Efficacy: 131.6 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

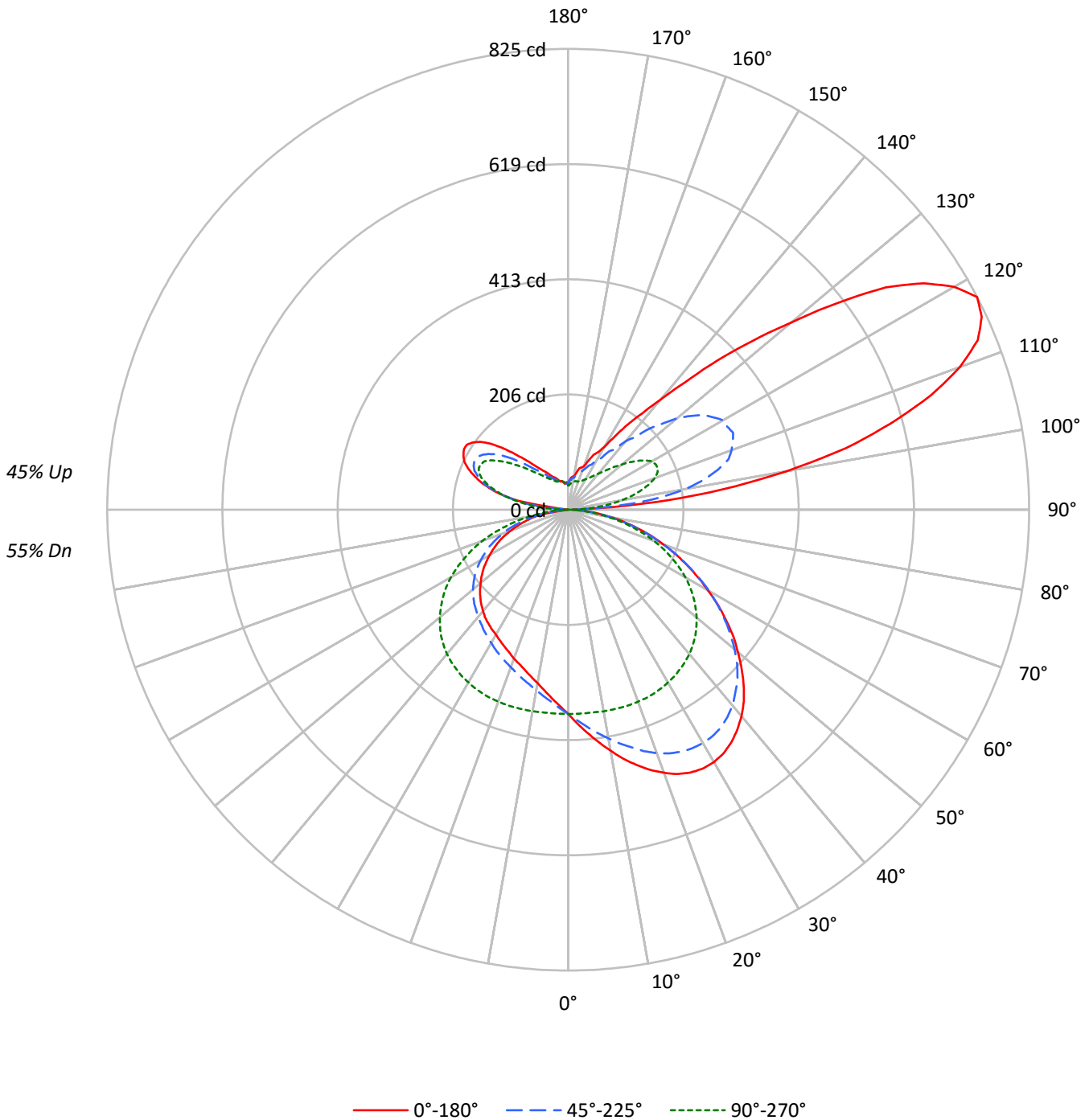
Input Watts (W): 19  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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°	2793	2793	2793
5°	3078	2804	2595
10°	3399	2843	2447
15°	3741	2899	2353
20°	4075	2972	2307
25°	4376	3061	2278
30°	4601	3150	2279
35°	4745	3251	2321
40°	4811	3366	2363
45°	4798	3471	2404
50°	4710	3566	2432
55°	4598	3644	2464
60°	4414	3699	2474
65°	4237	3699	2496
70°	4036	3654	2437
75°	3799	3448	2341
80°	3489	3075	2138
85°	3059	2542	0



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	35.3	1.4
10°-20°	106.9	4.3
20°-30°	175.9	7.0
30°-40°	229.7	9.2
40°-50°	254.5	10.2
50°-60°	242.0	9.7
60°-70°	193.5	7.7
70°-80°	116.5	4.7
80°-90°	29.0	1.2
90°-100°	73.7	3.0
100°-110°	246.0	9.8
110°-120°	299.2	12.0
120°-130°	239.5	9.6
130°-140°	135.6	5.4
140°-150°	66.4	2.7
150°-160°	34.2	1.4
160°-170°	16.8	0.7
170°-180°	4.9	0.2
0°-30°	318.1	12.7
0°-40°	547.8	21.9
0°-60°	1044.3	41.8
0°-90°	1383.3	55.3
90°-120°	618.9	24.8
90°-150°	1060.4	42.4
90°-180°	1116.0	44.6
0°-180°	2499.6	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	366	366	366	366	366	
5°	401	390	366	345	338	39
15°	473	441	366	314	298	135
25°	519	478	363	288	270	239
35°	509	476	349	263	249	318
45°	444	429	321	238	222	342
55°	345	342	274	204	185	308
65°	234	236	205	155	138	232
75°	129	127	117	90	79	136
85°	35	33	29	3	0	37
90°	8	6	0	0	0	8
95°	158	103	51	5	0	176
105°	598	278	136	141	143	623
115°	816	326	176	187	205	795
125°	694	296	153	174	210	612
135°	378	205	103	119	147	297
145°	187	128	72	78	90	120
155°	109	87	57	60	65	50
165°	77	65	53	51	52	21
175°	57	53	47	48	49	5
180°	44	44	44	44	44	



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	365.6	365.6	365.6	365.6	365.6	365.6	365.6	365.6	365.6	365.6	365.6
2.5°	383.5	383.5	382.7	381.8	380.1	377.6	375.0	372.5	369.9	367.3	365.6
5°	401.4	401.4	399.7	398.0	394.6	390.4	385.2	381.0	374.2	369.1	365.6
7.5°	420.2	420.2	417.6	414.2	410.0	403.1	396.3	388.7	378.4	370.8	365.6
10°	438.1	438.1	435.5	432.1	425.3	415.9	406.6	395.5	383.5	372.5	366.5
12.5°	456.8	456.8	452.6	448.3	439.8	428.7	416.8	402.3	388.7	373.3	366.5
15°	473.0	473.0	469.6	464.5	454.3	440.6	426.2	408.3	392.1	375.0	366.5
17.5°	488.4	488.4	485.0	478.1	467.9	453.4	435.5	414.2	395.5	375.9	366.5
20°	501.2	501.2	497.7	490.9	479.9	463.7	443.2	421.0	398.0	376.7	365.6
22.5°	512.2	511.4	508.0	500.3	489.2	472.2	450.9	424.5	400.6	376.7	364.8
25°	519.1	518.2	514.8	508.0	495.2	478.1	455.1	427.0	401.4	376.7	363.1
27.5°	522.5	521.6	519.1	511.4	499.5	481.6	458.5	429.6	401.4	375.9	360.5
30°	521.6	521.6	518.2	512.2	500.3	482.4	459.4	429.6	400.6	373.3	357.1
32.5°	517.4	516.5	513.9	508.8	497.7	480.7	458.5	427.9	398.9	369.9	353.7
35°	508.8	508.8	507.1	502.0	492.6	476.4	453.4	423.6	394.6	364.8	348.6
37.5°	496.9	496.9	496.0	491.8	483.3	467.9	446.6	418.5	388.7	359.7	343.5
40°	482.4	483.3	481.6	478.1	471.3	457.7	438.1	410.8	381.8	352.9	337.5
42.5°	465.4	465.4	463.7	462.0	456.0	443.2	426.2	400.6	373.3	344.3	329.8
45°	444.1	444.1	443.2	442.3	437.2	428.7	412.5	388.7	363.1	335.0	321.3
47.5°	421.0	421.9	421.0	421.0	417.6	410.0	395.5	373.3	351.2	324.7	311.1
50°	396.3	398.0	397.2	398.0	394.6	388.7	376.7	358.0	337.5	312.8	300.0
52.5°	372.5	371.6	370.8	372.5	370.8	365.6	355.4	340.9	321.3	299.2	287.2
55°	345.2	344.3	345.2	346.9	345.2	341.8	334.1	320.5	304.3	284.7	273.6
57.5°	317.9	317.1	317.9	319.6	318.8	317.1	310.2	299.2	286.4	268.5	259.1
60°	288.9	289.8	290.6	291.5	293.2	291.5	284.7	277.0	266.8	251.4	242.1
62.5°	261.7	261.7	263.4	264.2	265.1	263.4	260.0	253.1	246.3	232.7	224.2
65°	234.4	234.4	235.2	236.1	237.8	236.1	233.5	229.3	223.3	212.2	204.6
67.5°	208.0	207.1	208.0	209.7	208.8	208.8	205.4	204.6	199.4	190.9	185.0
70°	180.7	179.8	180.7	180.7	181.5	180.7	179.8	179.0	174.7	170.5	163.6
72.5°	155.1	153.4	154.3	155.1	154.3	154.3	152.6	152.6	150.0	146.6	140.6
75°	128.7	127.8	127.8	127.8	127.8	127.0	124.4	126.1	125.3	122.7	116.8
77.5°	103.1	103.1	104.0	102.3	103.1	100.6	101.4	99.7	100.6	98.0	93.8
80°	79.3	78.4	78.4	78.4	78.4	76.7	75.9	75.0	76.7	74.2	69.9
82.5°	54.5	55.4	54.5	53.7	54.5	54.5	53.7	52.0	52.8	50.3	47.7
85°	34.9	34.9	34.9	33.2	33.2	33.2	34.1	33.2	32.4	30.7	29.0
87.5°	16.2	17.0	17.0	17.0	17.0	16.2	16.2	15.3	14.5	13.6	12.8
90°	8.5	8.5	7.7	7.7	6.8	6.0	5.1	3.4	2.6	0.9	0.0
92.5°	25.6	20.5	26.4	28.1	28.1	28.1	24.7	23.0	23.9	23.9	24.7
95°	158.5	151.7	156.8	150.0	132.1	103.1	69.0	55.4	52.8	50.3	51.1
97.5°	278.7	271.9	274.4	259.1	223.3	164.5	108.2	84.4	80.1	75.0	75.0
100°	396.3	391.2	385.2	363.1	304.3	213.1	140.6	110.8	105.7	98.9	97.2
102.5°	508.8	500.3	487.5	448.3	370.8	248.9	167.1	133.8	129.6	120.2	117.6
105°	598.3	590.7	577.0	516.5	416.8	277.9	187.5	155.1	150.9	138.9	136.4
107.5°	681.0	676.7	642.6	576.2	448.3	300.9	208.0	175.6	167.9	156.0	151.7
110°	745.8	739.0	704.9	616.2	470.5	311.1	227.6	194.3	179.8	169.6	164.5



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	793.5	788.4	737.2	635.0	471.3	318.8	238.6	206.3	187.5	179.0	173.0
115°	816.5	808.8	757.7	637.5	467.9	325.6	246.3	211.4	193.5	185.0	176.4
117.5°	825.0	816.5	746.6	619.6	450.9	321.3	254.8	215.6	196.0	185.8	176.4
120°	797.8	790.1	721.1	588.9	435.5	320.5	253.1	219.9	196.9	183.2	173.0
122.5°	754.3	744.9	677.6	551.4	406.6	307.7	246.3	213.1	192.6	175.6	164.5
125°	693.8	685.3	609.4	496.9	383.5	295.8	241.2	201.1	180.7	163.6	152.6
127.5°	608.6	603.4	542.1	449.2	346.0	275.3	222.5	190.9	164.5	150.9	139.8
130°	521.6	518.2	476.4	398.0	316.2	254.8	208.8	178.1	148.3	136.4	126.1
132.5°	446.6	444.1	403.1	340.9	279.6	226.7	187.5	156.8	136.4	121.9	114.2
135°	377.6	376.7	339.2	295.8	243.8	205.4	166.2	141.5	125.3	109.1	103.1
137.5°	308.5	308.5	288.9	254.0	216.5	175.6	151.7	131.3	113.4	98.0	92.0
140°	256.5	253.1	242.9	209.7	181.5	160.2	130.4	114.2	99.7	88.6	84.4
142.5°	217.3	213.9	196.9	180.7	159.4	135.5	123.6	102.3	88.6	80.1	77.6
145°	186.7	185.8	167.9	161.9	143.2	127.8	105.7	98.0	82.7	73.3	71.6
147.5°	155.1	155.1	150.9	135.5	121.0	109.1	101.4	86.1	79.3	68.2	66.5
150°	130.4	130.4	131.3	120.2	114.2	104.8	90.3	79.3	75.0	64.8	63.1
152.5°	115.9	116.8	110.8	113.4	100.6	91.2	83.5	78.4	68.2	61.4	59.7
155°	109.1	109.9	101.4	97.2	90.3	86.9	81.0	70.7	63.1	59.7	57.1
157.5°	94.6	96.3	97.2	86.9	88.6	79.3	70.7	64.8	60.5	58.8	54.5
160°	82.7	83.5	84.4	86.1	75.9	74.2	72.4	66.5	61.4	58.0	53.7
162.5°	79.3	78.4	75.9	75.9	74.2	70.7	63.1	62.2	60.5	57.1	52.8
165°	76.7	77.6	75.0	67.3	69.0	64.8	63.9	56.3	56.3	55.4	52.8
167.5°	67.3	68.2	69.0	68.2	61.4	63.1	58.8	58.0	52.8	54.5	52.0
170°	59.7	60.5	59.7	61.4	63.1	58.0	56.3	57.1	52.0	53.7	51.1
172.5°	59.7	58.8	58.0	55.4	54.5	58.0	56.3	52.0	52.8	52.0	49.4
175°	57.1	58.0	58.0	57.1	55.4	52.8	51.1	52.0	52.8	49.4	46.9
177.5°	52.0	52.8	52.0	52.8	52.8	53.7	53.7	52.8	49.4	46.0	44.3
180°	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5



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**CANDELA DISTRIBUTION (continued):**

	112.5°	135°	157.5°	180°
0°	365.6	365.6	365.6	365.6
2.5°	360.5	355.4	352.0	351.2
5°	354.6	345.2	340.1	338.4
7.5°	349.4	336.7	329.0	326.4
10°	344.3	328.1	318.8	315.4
12.5°	338.4	320.5	309.4	306.0
15°	334.1	313.7	301.7	297.5
17.5°	329.0	306.8	294.0	289.8
20°	323.9	300.0	287.2	283.8
22.5°	319.6	294.0	281.3	276.1
25°	314.5	288.1	274.4	270.2
27.5°	309.4	282.1	268.5	264.2
30°	304.3	275.3	262.5	258.3
32.5°	298.3	269.3	257.4	254.0
35°	293.2	263.4	252.3	248.9
37.5°	287.2	256.5	246.3	243.8
40°	280.4	250.6	240.4	236.9
42.5°	273.6	243.8	234.4	230.1
45°	265.9	237.8	227.6	222.5
47.5°	258.3	230.1	219.0	213.9
50°	248.9	222.5	209.7	204.6
52.5°	238.6	213.1	200.3	195.2
55°	228.4	203.7	190.1	185.0
57.5°	217.3	192.6	179.0	173.9
60°	204.6	180.7	167.9	161.9
62.5°	190.9	167.9	155.1	150.0
65°	177.3	155.1	142.3	138.1
67.5°	162.8	139.8	127.8	124.4
70°	144.9	124.4	112.5	109.1
72.5°	126.1	109.1	96.3	94.6
75°	107.4	90.3	81.0	79.3
77.5°	87.8	71.6	65.6	64.8
80°	67.3	53.7	49.4	48.6
82.5°	46.0	35.8	4.3	0.0
85°	25.6	2.6	0.9	0.0
87.5°	2.6	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0
92.5°	6.0	0.9	0.0	0.0
95°	45.2	5.1	0.9	0.0
97.5°	75.9	66.5	24.7	0.0
100°	100.6	95.5	92.9	89.5
102.5°	119.3	119.3	121.0	120.2
105°	134.7	140.6	142.3	143.2
107.5°	149.2	158.5	161.9	163.6
110°	161.1	170.5	179.0	179.8





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**CANDELA DISTRIBUTION (continued):**

	112.5°	135°	157.5°	180°
112.5°	167.1	181.5	190.9	194.3
115°	169.6	186.7	201.1	205.4
117.5°	169.6	189.2	207.1	211.4
120°	167.9	188.4	208.8	215.6
122.5°	161.1	182.4	208.0	215.6
125°	150.0	173.9	200.3	209.7
127.5°	138.9	162.8	188.4	199.4
130°	127.8	149.2	175.6	185.0
132.5°	114.2	134.7	157.7	166.2
135°	102.3	119.3	139.8	147.4
137.5°	93.8	107.4	123.6	129.6
140°	85.2	95.5	109.9	114.2
142.5°	75.9	87.8	96.3	100.6
145°	70.7	78.4	87.8	90.3
147.5°	67.3	74.2	81.0	82.7
150°	62.2	67.3	73.3	76.7
152.5°	58.8	65.6	69.0	69.9
155°	58.0	59.7	65.6	64.8
157.5°	56.3	58.8	59.7	62.2
160°	52.0	54.5	57.1	58.8
162.5°	51.1	54.5	56.3	54.5
165°	52.0	51.1	52.0	52.0
167.5°	49.4	51.1	49.4	52.8
170°	47.7	47.7	50.3	49.4
172.5°	49.4	49.4	46.9	46.9
175°	49.4	47.7	46.9	48.6
177.5°	42.6	46.9	48.6	49.4
180°	43.5	43.5	43.5	43.5

(END OF REPORT)