

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: P286898

Luminaire Tested: **DWI-WD-15L835-1D-UNV-STD-W-WM-4**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P286898
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (ITL87015-GONIOPHOTOMETRY)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: DWI-WD-15L835-1D-UNV-STD-W-WM-4
Description: DIVIDE 4' WALL MOUNTED DIRECT/INDIRECT LED LUMINAIRE
WAVESTREAM DIFFUSE OPTIC, ASYMMETRIC
Light Source: (154) 3500K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1499.0 lumens
Efficiency: N/A
Efficacy: 130.3 lumens/watt
Spacing Criteria (0/90/45): 1.5 / 1.34 / 1.55
Luminous Opening: Rectangular (W 3.86' x L: 0.36' x H: 0')
CIE Type: General Diffuse

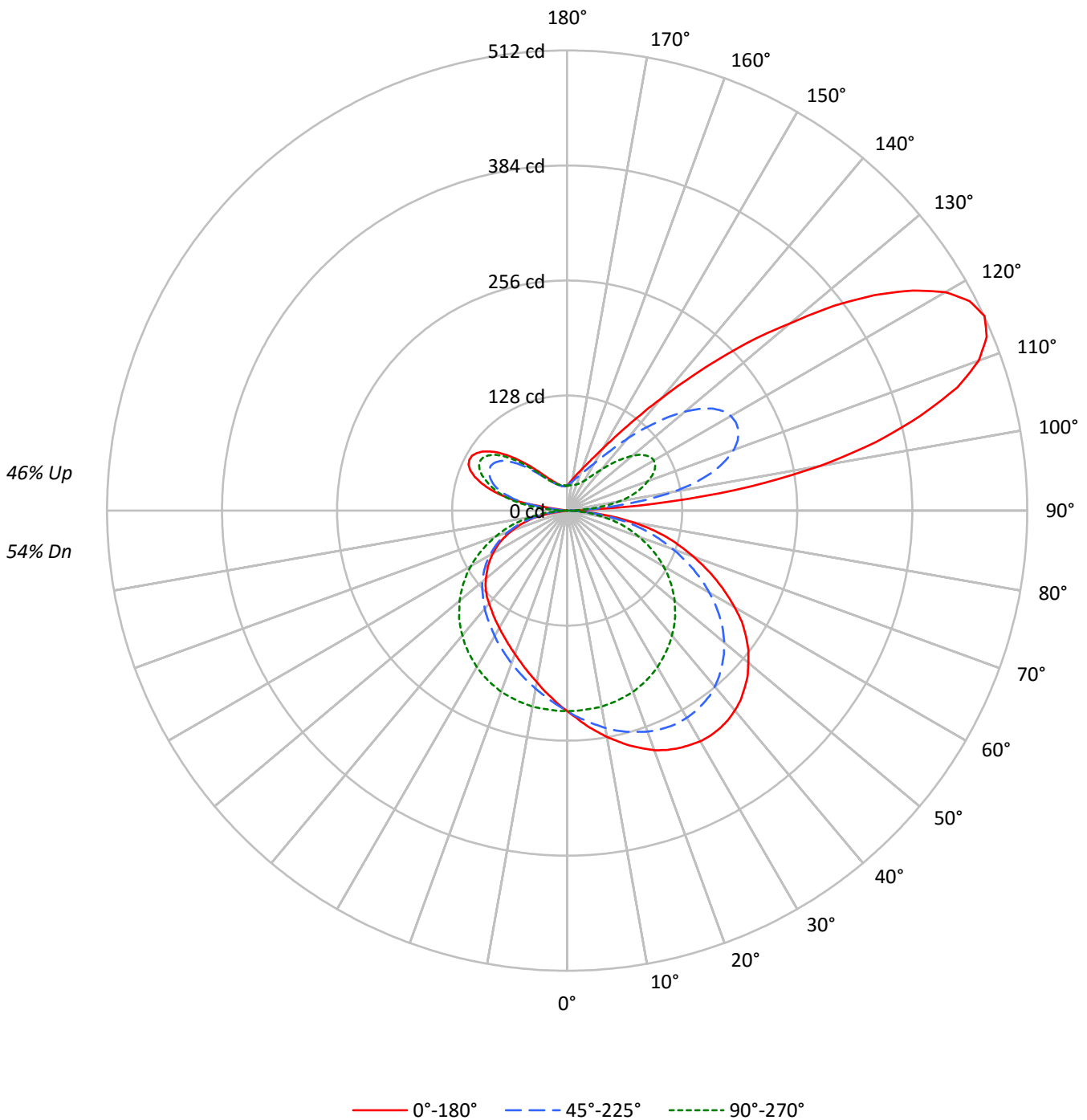
Input Watts (W): 11.5
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	100	100	100	100	86	86	86	72	72	72	60	60	60	54
1	98	93	89	85	91	87	83	80	74	72	69	63	61	59	52	51	49	44
2	89	81	74	69	82	75	69	64	64	60	56	54	51	48	45	43	41	36
3	81	70	63	56	74	65	59	53	56	51	46	47	43	40	39	36	34	30
4	73	62	54	47	68	58	50	44	49	44	39	42	37	34	35	31	29	25
5	67	55	46	40	62	51	43	38	44	38	33	37	32	29	31	27	24	21
6	62	49	40	34	57	46	38	32	39	33	29	33	29	25	28	24	21	18
7	57	44	36	30	52	41	34	28	35	29	25	30	25	22	25	22	19	16
8	53	40	32	26	49	37	30	25	32	26	22	28	23	19	23	19	17	14
9	49	36	29	23	45	34	27	22	29	24	20	25	21	17	21	18	15	13
10	46	33	26	21	42	31	24	20	27	21	18	23	19	15	20	16	13	11

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°
0°	1704	1704	1704
5°	1837	1706	1595
10°	1984	1718	1504
15°	2142	1728	1434
20°	2307	1744	1380
25°	2460	1758	1346
30°	2615	1772	1329
35°	2760	1790	1331
40°	2895	1808	1347
45°	3018	1835	1379
50°	3128	1856	1402
55°	3231	1874	1432
60°	3285	1889	1458
65°	3313	1898	1480
70°	3333	1896	1459
75°	3394	1898	1423
80°	3247	1813	994
85°	2332	1411	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	21.3	1.4
10°-20°	63.0	4.2
20°-30°	100.5	6.7
30°-40°	129.3	8.6
40°-50°	144.7	9.7
50°-60°	141.8	9.5
60°-70°	118.2	7.9
70°-80°	76.6	5.1
80°-90°	19.0	1.3
90°-100°	44.6	3.0
100°-110°	150.9	10.1
110°-120°	181.2	12.1
120°-130°	148.3	9.9
130°-140°	87.0	5.8
140°-150°	40.7	2.7
150°-160°	19.6	1.3
160°-170°	9.4	0.6
170°-180°	2.8	0.2
0°-30°	184.8	12.3
0°-40°	314.1	21.0
0°-60°	600.6	40.1
0°-90°	814.3	54.3
90°-120°	376.8	25.1
90°-150°	652.9	43.6
90°-180°	685.0	45.7
0°-180°	1499.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	223	223	223	223	223	
5°	240	235	222	212	208	23
15°	271	255	218	191	181	77
25°	292	266	208	171	160	135
35°	296	263	192	152	143	185
45°	279	244	170	133	128	215
55°	243	208	141	112	108	216
65°	183	155	105	85	82	181
75°	115	94	64	52	48	120
85°	27	23	16	1	0	32
90°	4	3	0	0	0	6
95°	116	47	28	2	0	130
105°	406	169	80	72	86	422
115°	512	210	108	95	121	499
125°	418	198	107	95	114	372
135°	237	137	77	71	82	188
145°	112	78	47	46	51	73
155°	61	50	34	34	36	29
165°	42	37	30	29	29	12
175°	31	30	28	27	27	3
180°	28	28	28	28	28	



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	223.0	223.0	223.0	223.0	223.0	223.0	223.0	223.0	223.0	223.0	223.0
2.5°	230.6	231.1	231.1	230.6	230.1	229.1	228.1	226.5	225.5	224.0	223.0
5°	239.6	239.6	239.6	238.1	236.6	234.6	232.1	229.6	227.1	224.5	222.5
7.5°	247.6	248.1	247.1	245.6	243.1	240.1	236.6	232.6	228.6	224.0	222.0
10°	255.7	256.2	254.7	253.2	249.7	245.6	240.6	234.6	229.1	223.5	221.5
12.5°	263.2	263.7	262.2	260.2	256.2	250.7	244.1	236.6	229.6	223.5	220.0
15°	270.8	270.8	269.2	266.7	261.2	254.7	247.1	238.1	229.6	222.0	218.5
17.5°	277.3	276.8	275.3	271.8	265.7	258.2	249.2	238.6	229.1	220.5	216.5
20°	283.8	283.3	281.3	277.3	270.8	261.7	251.7	239.6	228.6	219.0	214.5
22.5°	288.3	287.8	285.8	281.3	274.3	264.2	252.7	239.1	227.1	217.0	211.5
25°	291.8	291.8	289.3	284.8	276.8	265.7	253.2	238.6	225.5	214.0	208.5
27.5°	294.4	294.4	291.8	286.8	278.3	266.7	252.7	237.6	223.0	211.0	204.9
30°	296.4	295.9	293.4	287.3	278.8	266.2	251.7	235.6	220.5	207.5	200.9
32.5°	296.9	296.4	293.4	287.3	277.8	265.2	250.2	233.1	217.0	203.4	196.4
35°	295.9	295.4	292.4	285.8	275.8	262.7	247.1	229.6	213.0	198.9	191.9
37.5°	293.9	293.9	290.3	283.8	273.8	260.2	244.1	226.0	209.0	193.9	186.9
40°	290.3	290.3	286.8	279.8	269.7	255.7	239.6	221.5	203.9	188.4	181.3
42.5°	285.8	285.3	281.3	274.3	263.7	250.2	234.1	215.5	198.4	182.3	175.8
45°	279.3	278.8	275.3	268.2	257.2	243.6	227.6	209.5	192.4	176.3	169.8
47.5°	272.3	271.8	267.7	260.7	250.2	236.6	220.5	202.9	185.9	170.3	162.8
50°	263.2	263.2	259.2	252.2	241.6	228.1	212.0	194.9	178.3	162.8	156.2
52.5°	254.2	253.2	249.2	241.6	231.6	218.5	202.9	186.4	170.3	155.2	148.7
55°	242.6	241.1	237.6	230.6	220.5	207.5	192.9	176.8	161.7	147.2	140.7
57.5°	230.6	229.1	224.5	217.5	208.0	195.9	181.8	166.8	152.7	138.6	132.6
60°	215.0	215.0	210.5	203.4	194.4	182.8	170.3	156.2	142.7	129.6	123.6
62.5°	199.4	199.9	195.4	188.4	179.8	169.3	157.7	144.7	132.1	120.6	114.5
65°	183.3	183.3	178.8	172.3	164.8	155.2	144.2	132.6	121.1	110.5	105.0
67.5°	166.3	166.3	162.8	155.7	148.7	140.1	130.6	120.6	110.0	100.0	94.9
70°	149.2	148.7	145.7	139.1	132.6	125.1	116.5	108.0	98.5	89.4	84.9
72.5°	132.1	131.6	129.1	122.6	117.0	110.0	103.0	94.9	86.9	78.9	74.8
75°	115.0	114.0	111.5	105.5	100.5	94.4	87.4	81.9	74.8	67.8	64.3
77.5°	95.9	95.4	92.9	86.9	82.9	77.9	72.3	67.3	62.3	55.8	53.2
80°	73.8	72.8	71.3	66.3	63.8	59.8	55.8	52.2	48.2	43.7	41.2
82.5°	49.2	48.7	48.2	45.7	43.2	41.2	38.7	36.2	33.7	30.1	29.1
85°	26.6	27.1	26.6	25.1	23.6	22.6	22.1	20.6	19.6	17.1	16.1
87.5°	8.0	8.5	8.5	8.5	8.5	8.5	8.5	7.5	7.0	6.0	5.0
90°	4.5	4.5	4.5	4.0	4.0	3.0	2.5	1.5	1.0	0.0	0.0
92.5°	23.6	24.6	25.6	23.1	18.1	13.6	12.1	12.6	11.6	11.1	9.5
95°	116.5	116.0	112.0	96.9	70.8	46.7	37.7	36.2	32.7	30.6	27.6
97.5°	206.0	204.4	194.9	166.8	129.6	83.9	63.3	57.3	51.7	48.2	44.2
100°	285.3	283.3	268.7	232.6	179.8	120.1	87.9	76.4	68.8	62.8	58.8
102.5°	351.6	349.6	330.5	284.3	218.0	147.7	108.5	92.9	82.9	75.3	70.8
105°	406.4	404.9	380.8	325.0	247.1	168.8	124.6	106.0	94.4	84.9	80.4
107.5°	455.1	449.1	417.9	356.1	267.7	184.9	137.6	117.5	104.5	93.9	88.4
110°	487.3	481.2	446.1	376.2	280.8	197.4	149.7	127.6	113.5	101.5	95.4



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	505.3	501.3	462.1	386.8	287.8	205.5	158.7	136.1	121.1	108.5	102.5
115°	512.4	506.8	465.2	386.3	288.3	210.5	165.8	143.2	127.6	113.0	107.5
117.5°	504.8	498.8	456.1	376.7	283.8	212.0	170.3	147.2	130.6	116.5	110.5
120°	486.2	479.2	436.5	360.7	275.3	210.5	172.3	149.2	132.6	118.0	111.5
122.5°	455.6	449.1	407.9	337.6	262.2	206.0	170.3	148.2	131.6	116.5	110.5
125°	417.9	410.9	373.7	311.4	246.1	197.9	165.8	144.2	127.6	113.5	107.0
127.5°	374.2	366.7	336.6	281.8	227.1	185.9	157.7	137.1	121.1	108.0	102.0
130°	324.0	321.5	295.9	250.7	207.5	171.3	146.2	127.1	112.5	100.5	94.9
132.5°	282.3	274.8	254.7	219.0	184.4	154.7	132.6	115.5	102.0	91.4	86.4
135°	237.1	231.6	216.0	188.4	161.7	137.1	118.0	103.0	90.9	81.4	77.4
137.5°	197.4	194.4	181.3	161.7	139.6	120.6	104.0	90.4	79.9	71.8	68.3
140°	162.8	160.7	151.7	136.1	119.6	104.5	90.4	78.9	69.8	62.8	59.8
142.5°	134.1	132.6	126.1	114.5	102.5	90.4	78.4	69.3	60.8	55.3	52.7
145°	111.5	110.5	105.5	97.5	87.4	78.4	68.8	60.8	53.7	48.7	46.7
147.5°	93.4	92.9	89.4	83.9	76.4	68.3	60.8	53.7	47.7	43.7	41.7
150°	79.9	79.4	77.4	72.3	66.8	60.8	54.3	48.7	43.2	39.7	38.2
152.5°	69.3	68.8	67.3	63.8	59.8	54.8	49.2	44.7	40.2	36.7	35.7
155°	61.3	60.8	59.8	57.3	53.7	49.7	45.2	41.2	37.2	34.7	33.7
157.5°	54.8	54.8	53.7	51.7	48.7	45.7	42.2	38.7	35.2	33.2	32.1
160°	49.7	49.7	48.7	46.7	45.2	42.2	39.2	36.2	33.7	32.1	31.1
162.5°	45.2	45.2	44.2	43.2	41.7	39.2	37.2	34.7	32.7	31.1	30.1
165°	41.7	41.7	41.2	40.2	38.7	37.2	35.2	33.2	31.1	30.1	29.6
167.5°	38.2	38.7	38.2	37.2	36.2	34.7	33.2	31.6	30.6	29.6	29.1
170°	35.7	35.7	35.2	34.7	34.2	32.7	32.1	31.1	29.6	29.1	28.6
172.5°	33.2	33.2	32.7	32.7	32.1	31.6	30.6	30.1	29.1	28.6	28.6
175°	31.1	31.1	30.6	30.6	30.6	29.6	29.6	29.1	28.6	28.6	28.1
177.5°	29.6	29.6	29.6	29.1	29.1	29.1	29.1	28.6	28.1	28.1	27.6
180°	27.6	27.6	27.6	27.6	27.6	27.6	27.6	27.6	27.6	27.6	27.6



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CANDELA DISTRIBUTION (continued):

	112.5°	135°	157.5°	180°
0°	223.0	223.0	223.0	223.0
2.5°	220.5	217.5	216.0	216.0
5°	217.0	212.0	209.0	208.0
7.5°	214.0	206.5	202.4	201.4
10°	210.0	201.4	195.9	193.9
12.5°	206.0	195.9	189.9	187.4
15°	201.4	190.9	183.9	181.3
17.5°	197.4	185.9	178.3	175.3
20°	192.9	180.8	172.8	169.8
22.5°	188.9	175.8	167.8	164.8
25°	184.4	170.8	162.8	159.7
27.5°	179.8	166.3	157.7	155.2
30°	174.8	161.2	153.2	150.7
32.5°	170.8	156.2	149.2	146.7
35°	165.8	151.7	144.7	142.7
37.5°	160.7	147.2	140.7	138.6
40°	155.2	142.7	136.6	135.1
42.5°	150.2	137.6	132.6	131.6
45°	144.7	132.6	128.6	127.6
47.5°	139.1	128.1	124.1	123.1
50°	133.1	123.1	119.1	118.0
52.5°	126.6	117.5	113.5	112.5
55°	120.6	112.0	108.0	107.5
57.5°	113.5	106.0	102.0	101.5
60°	106.5	99.5	95.9	95.4
62.5°	99.0	92.4	88.9	88.9
65°	91.4	85.4	81.9	81.9
67.5°	83.4	77.9	74.8	73.8
70°	75.3	69.8	65.8	65.3
72.5°	67.3	61.3	56.8	56.8
75°	57.8	51.7	48.2	48.2
77.5°	48.7	41.7	38.7	38.7
80°	38.2	30.6	26.6	22.6
82.5°	25.6	18.1	1.0	0.0
85°	13.1	1.0	0.0	0.0
87.5°	1.5	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0
92.5°	1.5	0.0	0.0	0.0
95°	19.1	1.5	0.5	0.0
97.5°	37.2	28.6	3.0	0.0
100°	52.2	46.7	47.7	47.7
102.5°	62.8	61.3	67.3	70.8
105°	70.8	72.3	81.4	86.4
107.5°	77.4	81.4	92.9	99.0
110°	83.4	87.9	102.0	109.0



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CANDELA DISTRIBUTION (continued):

	112.5°	135°	157.5°	180°
112.5°	88.4	92.4	108.5	116.5
115°	92.4	95.4	112.0	121.1
117.5°	94.9	97.5	113.5	122.6
120°	95.9	98.5	113.0	122.1
122.5°	94.9	97.5	110.5	119.1
125°	92.4	94.9	106.5	114.5
127.5°	88.4	90.9	101.5	108.0
130°	82.4	84.9	94.4	100.5
132.5°	75.9	78.4	86.9	91.4
135°	68.3	71.3	78.4	82.4
137.5°	60.8	63.8	69.8	73.3
140°	54.3	56.8	61.8	64.8
142.5°	48.2	50.7	54.8	57.3
145°	43.2	45.7	48.7	50.7
147.5°	39.2	41.7	44.2	45.7
150°	36.2	38.2	40.7	41.2
152.5°	34.2	35.7	37.2	38.2
155°	32.1	33.7	35.2	35.7
157.5°	30.6	32.1	32.7	33.7
160°	29.6	30.6	31.6	31.6
162.5°	29.1	29.6	30.1	30.6
165°	28.6	29.1	29.1	29.1
167.5°	28.1	28.1	28.1	28.1
170°	28.1	27.6	27.6	27.6
172.5°	27.6	27.6	27.1	27.6
175°	27.6	27.1	27.1	27.1
177.5°	27.6	27.6	27.6	27.6
180°	27.6	27.6	27.6	27.6

(END OF REPORT)