

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: P286904

Luminaire Tested: **DWI-WD-15L840-1D-UNV-STD-W-WM-4**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P286904
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-15L840-1D-UNV-STD-W-WM-4
Description: DIVIDE 4' WALL MOUNTED DIRECT/INDIRECT LED LUMINAIRE
WAVESTREAM DIFFUSE OPTIC, ASYMMETRIC
Light Source: (154) 4000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1513.3 lumens
Efficiency: N/A
Efficacy: 131.6 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

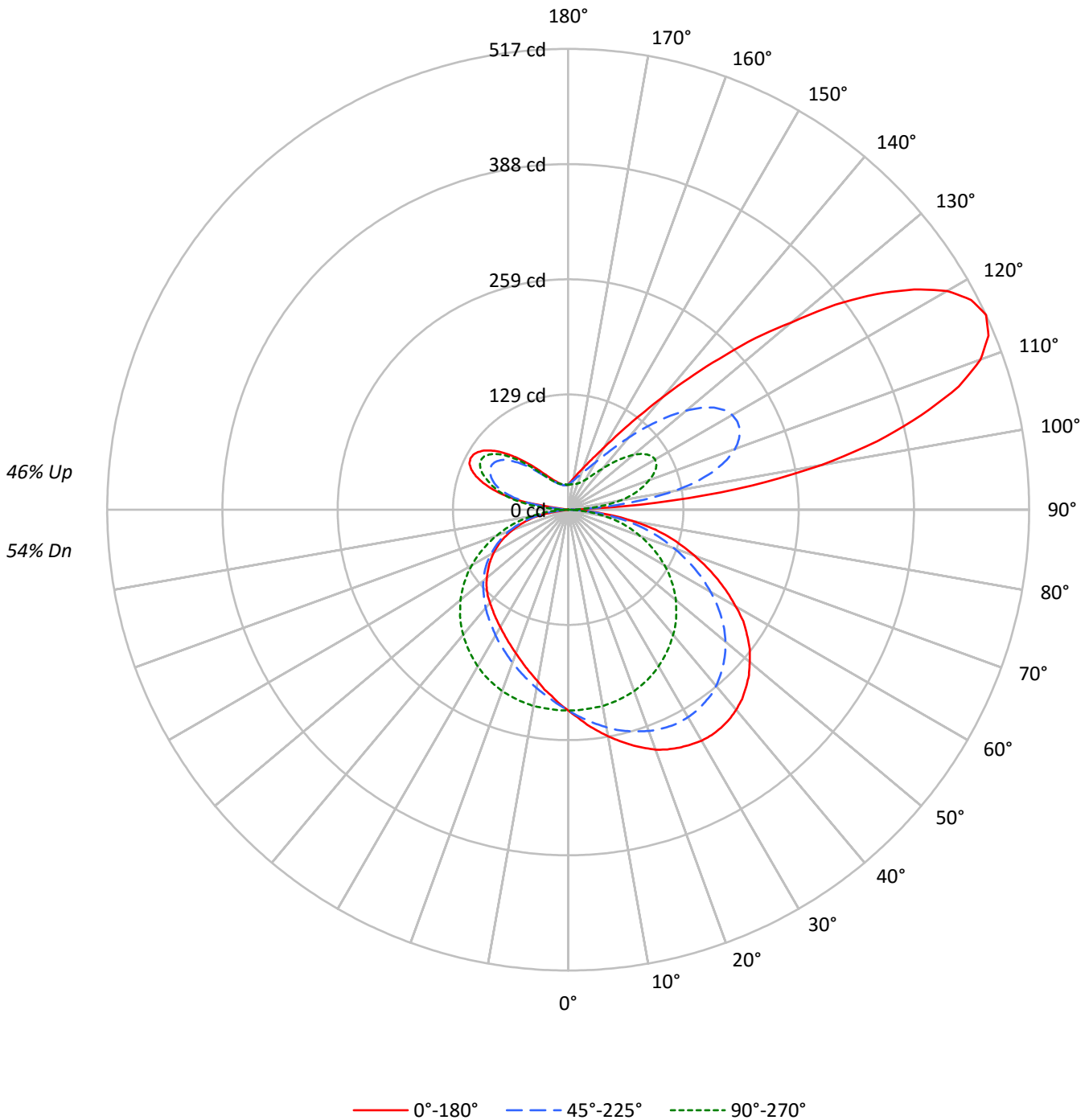
Input Watts (W): 11.5
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	1720	1720	1720
5°	1855	1722	1610
10°	2002	1735	1518
15°	2162	1745	1448
20°	2329	1760	1393
25°	2483	1774	1360
30°	2639	1789	1342
35°	2786	1806	1343
40°	2923	1826	1360
45°	3047	1852	1392
50°	3158	1874	1417
55°	3262	1891	1445
60°	3316	1905	1473
65°	3346	1916	1495
70°	3364	1914	1472
75°	3427	1916	1437
80°	3278	1830	1003
85°	2358	1420	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	21.5	1.4
10°-20°	63.6	4.2
20°-30°	101.5	6.7
30°-40°	130.6	8.6
40°-50°	146.0	9.7
50°-60°	143.1	9.5
60°-70°	119.3	7.9
70°-80°	77.3	5.1
80°-90°	19.1	1.3
90°-100°	45.1	3.0
100°-110°	152.3	10.1
110°-120°	183.0	12.1
120°-130°	149.8	9.9
130°-140°	87.9	5.8
140°-150°	41.1	2.7
150°-160°	19.8	1.3
160°-170°	9.5	0.6
170°-180°	2.8	0.2
0°-30°	186.6	12.3
0°-40°	317.1	21.0
0°-60°	606.3	40.1
0°-90°	822.1	54.3
90°-120°	380.4	25.1
90°-150°	659.1	43.6
90°-180°	691.0	45.7
0°-180°	1513.3	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	225	225	225	225	225	
5°	242	237	225	214	210	24
15°	273	257	221	193	183	78
25°	295	268	210	172	161	136
35°	299	265	194	153	144	187
45°	282	246	171	134	129	217
55°	245	209	142	113	108	218
65°	185	157	106	86	83	183
75°	116	95	65	52	49	121
85°	27	23	16	1	0	32
90°	5	3	0	0	0	6
95°	118	47	28	2	0	131
105°	410	170	81	73	87	426
115°	517	212	108	96	122	503
125°	422	200	108	96	116	376
135°	239	138	78	72	83	189
145°	113	79	47	46	51	74
155°	62	50	34	34	36	30
165°	42	38	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°	225.2	225.2	225.2	225.2	225.2	225.2	225.2	225.2	225.2	225.2	225.2
2.5°	232.8	233.3	233.3	232.8	232.3	231.2	230.2	228.7	227.7	226.2	225.2
5°	241.9	241.9	241.9	240.4	238.8	236.8	234.3	231.7	229.2	226.7	224.6
7.5°	250.0	250.5	249.5	248.0	245.4	242.4	238.8	234.8	230.7	226.2	224.1
10°	258.1	258.6	257.1	255.6	252.0	248.0	242.9	236.8	231.2	225.7	223.6
12.5°	265.7	266.2	264.7	262.7	258.6	253.0	246.5	238.8	231.7	225.7	222.1
15°	273.3	273.3	271.8	269.3	263.7	257.1	249.5	240.4	231.7	224.1	220.6
17.5°	279.9	279.4	277.9	274.3	268.3	260.7	251.5	240.9	231.2	222.6	218.6
20°	286.5	286.0	284.0	279.9	273.3	264.2	254.1	241.9	230.7	221.1	216.5
22.5°	291.1	290.6	288.5	284.0	276.9	266.7	255.1	241.4	229.2	219.1	213.5
25°	294.6	294.6	292.1	287.5	279.4	268.3	255.6	240.9	227.7	216.0	210.4
27.5°	297.2	297.2	294.6	289.6	280.9	269.3	255.1	239.9	225.2	213.0	206.9
30°	299.2	298.7	296.2	290.1	281.4	268.8	254.1	237.8	222.6	209.4	202.8
32.5°	299.7	299.2	296.2	290.1	280.4	267.8	252.5	235.3	219.1	205.4	198.3
35°	298.7	298.2	295.1	288.5	278.4	265.2	249.5	231.7	215.0	200.8	193.7
37.5°	296.7	296.7	293.1	286.5	276.4	262.7	246.5	228.2	211.0	195.7	188.6
40°	293.1	293.1	289.6	282.5	272.3	258.1	241.9	223.6	205.9	190.2	183.1
42.5°	288.5	288.0	284.0	276.9	266.2	252.5	236.3	217.5	200.3	184.1	177.5
45°	282.0	281.4	277.9	270.8	259.6	245.9	229.7	211.5	194.2	178.0	171.4
47.5°	274.9	274.3	270.3	263.2	252.5	238.8	222.6	204.9	187.6	171.9	164.3
50°	265.7	265.7	261.7	254.6	243.9	230.2	214.0	196.8	180.0	164.3	157.7
52.5°	256.6	255.6	251.5	243.9	233.8	220.6	204.9	188.1	171.9	156.7	150.1
55°	244.9	243.4	239.9	232.8	222.6	209.4	194.7	178.5	163.3	148.6	142.0
57.5°	232.8	231.2	226.7	219.6	209.9	197.8	183.6	168.4	154.2	140.0	133.9
60°	217.0	217.0	212.5	205.4	196.3	184.6	171.9	157.7	144.0	130.8	124.7
62.5°	201.3	201.8	197.3	190.2	181.5	170.9	159.2	146.0	133.4	121.7	115.6
65°	185.1	185.1	180.5	173.9	166.3	156.7	145.5	133.9	122.2	111.6	106.0
67.5°	167.9	167.9	164.3	157.2	150.1	141.5	131.8	121.7	111.1	100.9	95.8
70°	150.6	150.1	147.1	140.5	133.9	126.3	117.6	109.0	99.4	90.3	85.7
72.5°	133.4	132.9	130.3	123.7	118.2	111.1	104.0	95.8	87.7	79.6	75.6
75°	116.1	115.1	112.6	106.5	101.4	95.3	88.2	82.7	75.6	68.5	64.9
77.5°	96.9	96.4	93.8	87.7	83.7	78.6	73.0	68.0	62.9	56.3	53.8
80°	74.5	73.5	72.0	66.9	64.4	60.3	56.3	52.7	48.7	44.1	41.6
82.5°	49.7	49.2	48.7	46.1	43.6	41.6	39.0	36.5	34.0	30.4	29.4
85°	26.9	27.4	26.9	25.4	23.8	22.8	22.3	20.8	19.8	17.2	16.2
87.5°	8.1	8.6	8.6	8.6	8.6	8.6	8.6	7.6	7.1	6.1	5.1
90°	4.6	4.6	4.6	4.1	4.1	3.0	2.5	1.5	1.0	0.0	0.0
92.5°	23.8	24.8	25.9	23.3	18.3	13.7	12.2	12.7	11.7	11.2	9.6
95°	117.6	117.1	113.1	97.9	71.5	47.2	38.0	36.5	33.0	30.9	27.9
97.5°	207.9	206.4	196.8	168.4	130.8	84.7	63.9	57.8	52.2	48.7	44.6
100°	288.0	286.0	271.3	234.8	181.5	121.2	88.7	77.1	69.5	63.4	59.3
102.5°	355.0	352.9	333.7	287.0	220.1	149.1	109.5	93.8	83.7	76.1	71.5
105°	410.2	408.7	384.4	328.1	249.5	170.4	125.8	107.0	95.3	85.7	81.1
107.5°	459.4	453.4	421.9	359.5	270.3	186.6	138.9	118.7	105.5	94.8	89.3
110°	491.9	485.8	450.3	379.8	283.5	199.3	151.1	128.8	114.6	102.4	96.4



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	510.2	506.1	466.5	390.5	290.6	207.4	160.2	137.4	122.2	109.5	103.4
115°	517.2	511.7	469.6	390.0	291.1	212.5	167.3	144.5	128.8	114.1	108.5
117.5°	509.6	503.6	460.5	380.3	286.5	214.0	171.9	148.6	131.8	117.6	111.6
120°	490.9	483.8	440.7	364.1	277.9	212.5	173.9	150.6	133.9	119.2	112.6
122.5°	459.9	453.4	411.8	340.8	264.7	207.9	171.9	149.6	132.9	117.6	111.6
125°	421.9	414.8	377.3	314.4	248.5	199.8	167.3	145.5	128.8	114.6	108.0
127.5°	377.8	370.2	339.8	284.5	229.2	187.6	159.2	138.4	122.2	109.0	102.9
130°	327.1	324.5	298.7	253.0	209.4	172.9	147.6	128.3	113.6	101.4	95.8
132.5°	285.0	277.4	257.1	221.1	186.1	156.2	133.9	116.6	102.9	92.3	87.2
135°	239.4	233.8	218.1	190.2	163.3	138.4	119.2	104.0	91.8	82.2	78.1
137.5°	199.3	196.3	183.1	163.3	141.0	121.7	105.0	91.3	80.6	72.5	69.0
140°	164.3	162.3	153.1	137.4	120.7	105.5	91.3	79.6	70.5	63.4	60.3
142.5°	135.4	133.9	127.3	115.6	103.4	91.3	79.1	70.0	61.4	55.8	53.2
145°	112.6	111.6	106.5	98.4	88.2	79.1	69.5	61.4	54.3	49.2	47.2
147.5°	94.3	93.8	90.3	84.7	77.1	69.0	61.4	54.3	48.2	44.1	42.1
150°	80.6	80.1	78.1	73.0	67.4	61.4	54.8	49.2	43.6	40.1	38.5
152.5°	70.0	69.5	68.0	64.4	60.3	55.3	49.7	45.1	40.6	37.0	36.0
155°	61.9	61.4	60.3	57.8	54.3	50.2	45.6	41.6	37.5	35.0	34.0
157.5°	55.3	55.3	54.3	52.2	49.2	46.1	42.6	39.0	35.5	33.5	32.5
160°	50.2	50.2	49.2	47.2	45.6	42.6	39.6	36.5	34.0	32.5	31.4
162.5°	45.6	45.6	44.6	43.6	42.1	39.6	37.5	35.0	33.0	31.4	30.4
165°	42.1	42.1	41.6	40.6	39.0	37.5	35.5	33.5	31.4	30.4	29.9
167.5°	38.5	39.0	38.5	37.5	36.5	35.0	33.5	31.9	30.9	29.9	29.4
170°	36.0	36.0	35.5	35.0	34.5	33.0	32.5	31.4	29.9	29.4	28.9
172.5°	33.5	33.5	33.0	33.0	32.5	31.9	30.9	30.4	29.4	28.9	28.9
175°	31.4	31.4	30.9	30.9	30.9	29.9	29.9	29.4	28.9	28.9	28.4
177.5°	29.9	29.9	29.9	29.4	29.4	29.4	29.4	28.9	28.4	28.4	27.9
180°	27.9	27.9	27.9	27.9	27.9	27.9	27.9	27.9	27.9	27.9	27.9



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CANDELA DISTRIBUTION (continued):

	112.5°	135°	157.5°	180°
0°	225.2	225.2	225.2	225.2
2.5°	222.6	219.6	218.1	218.1
5°	219.1	214.0	211.0	209.9
7.5°	216.0	208.4	204.4	203.4
10°	212.0	203.4	197.8	195.7
12.5°	207.9	197.8	191.7	189.2
15°	203.4	192.7	185.6	183.1
17.5°	199.3	187.6	180.0	177.0
20°	194.7	182.6	174.4	171.4
22.5°	190.7	177.5	169.4	166.3
25°	186.1	172.4	164.3	161.3
27.5°	181.5	167.9	159.2	156.7
30°	176.5	162.8	154.7	152.1
32.5°	172.4	157.7	150.6	148.1
35°	167.3	153.1	146.0	144.0
37.5°	162.3	148.6	142.0	140.0
40°	156.7	144.0	137.9	136.4
42.5°	151.6	138.9	133.9	132.9
45°	146.0	133.9	129.8	128.8
47.5°	140.5	129.3	125.3	124.2
50°	134.4	124.2	120.2	119.2
52.5°	127.8	118.7	114.6	113.6
55°	121.7	113.1	109.0	108.5
57.5°	114.6	107.0	102.9	102.4
60°	107.5	100.4	96.9	96.4
62.5°	99.9	93.3	89.8	89.8
65°	92.3	86.2	82.7	82.7
67.5°	84.2	78.6	75.6	74.5
70°	76.1	70.5	66.4	65.9
72.5°	68.0	61.9	57.3	57.3
75°	58.3	52.2	48.7	48.7
77.5°	49.2	42.1	39.0	39.0
80°	38.5	30.9	26.9	22.8
82.5°	25.9	18.3	1.0	0.0
85°	13.2	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°	19.3	1.5	0.5	0.0
97.5°	37.5	28.9	3.0	0.0
100°	52.7	47.2	48.2	48.2
102.5°	63.4	61.9	68.0	71.5
105°	71.5	73.0	82.2	87.2
107.5°	78.1	82.2	93.8	99.9
110°	84.2	88.7	102.9	110.0



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CANDELA DISTRIBUTION (continued):

	112.5°	135°	157.5°	180°
112.5°	89.3	93.3	109.5	117.6
115°	93.3	96.4	113.1	122.2
117.5°	95.8	98.4	114.6	123.7
120°	96.9	99.4	114.1	123.2
122.5°	95.8	98.4	111.6	120.2
125°	93.3	95.8	107.5	115.6
127.5°	89.3	91.8	102.4	109.0
130°	83.2	85.7	95.3	101.4
132.5°	76.6	79.1	87.7	92.3
135°	69.0	72.0	79.1	83.2
137.5°	61.4	64.4	70.5	74.0
140°	54.8	57.3	62.4	65.4
142.5°	48.7	51.2	55.3	57.8
145°	43.6	46.1	49.2	51.2
147.5°	39.6	42.1	44.6	46.1
150°	36.5	38.5	41.1	41.6
152.5°	34.5	36.0	37.5	38.5
155°	32.5	34.0	35.5	36.0
157.5°	30.9	32.5	33.0	34.0
160°	29.9	30.9	31.9	31.9
162.5°	29.4	29.9	30.4	30.9
165°	28.9	29.4	29.4	29.4
167.5°	28.4	28.4	28.4	28.4
170°	28.4	27.9	27.9	27.9
172.5°	27.9	27.9	27.4	27.9
175°	27.9	27.4	27.4	27.4
177.5°	27.9	27.9	27.9	27.9
180°	27.9	27.9	27.9	27.9

(END OF REPORT)