

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: P286892

Luminaire Tested: **DWI-WD-15L830-1D-UNV-STD-W-WM-4**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P286892
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-15L830-1D-UNV-STD-W-WM-4
Description: DIVIDE 4' WALL MOUNTED DIRECT/INDIRECT LED LUMINAIRE
WAVESTREAM DIFFUSE OPTIC, ASYMMETRIC
Light Source: (154) 3000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1427.6 lumens
Efficiency: N/A
Efficacy: 124.1 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

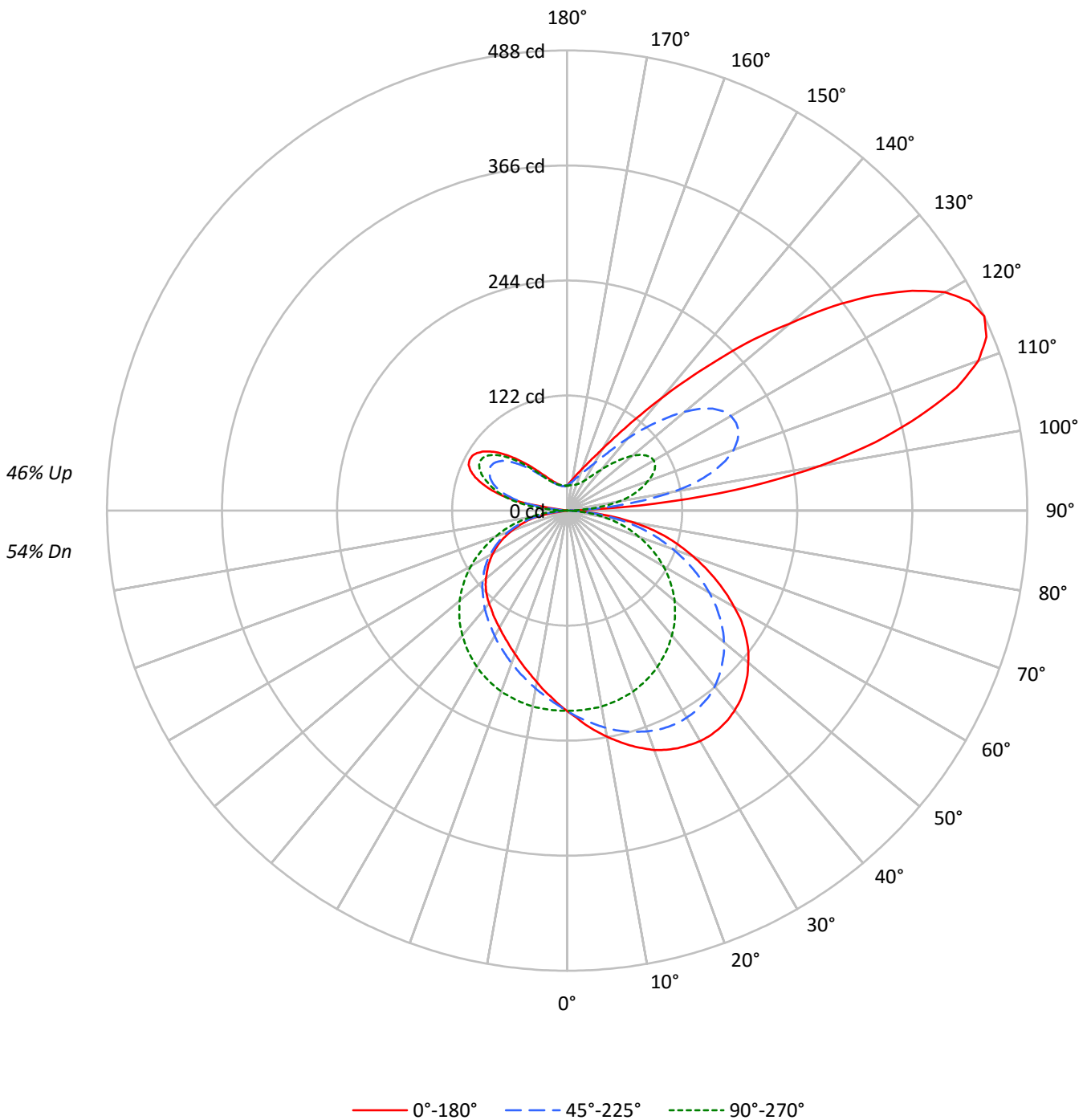
Input Watts (W): 11.5
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	1623	1623	1623
5°	1750	1625	1519
10°	1889	1637	1433
15°	2040	1646	1366
20°	2198	1661	1315
25°	2343	1673	1282
30°	2490	1688	1266
35°	2628	1705	1267
40°	2757	1722	1283
45°	2874	1747	1313
50°	2980	1769	1336
55°	3078	1785	1364
60°	3129	1798	1389
65°	3156	1808	1410
70°	3174	1807	1389
75°	3235	1806	1355
80°	3093	1725	946
85°	2226	1341	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	20.3	1.4
10°-20°	60.0	4.2
20°-30°	95.7	6.7
30°-40°	123.2	8.6
40°-50°	137.8	9.7
50°-60°	135.0	9.5
60°-70°	112.5	7.9
70°-80°	73.0	5.1
80°-90°	18.1	1.3
90°-100°	42.5	3.0
100°-110°	143.7	10.1
110°-120°	172.6	12.1
120°-130°	141.3	9.9
130°-140°	82.9	5.8
140°-150°	38.8	2.7
150°-160°	18.6	1.3
160°-170°	9.0	0.6
170°-180°	2.7	0.2
0°-30°	176.0	12.3
0°-40°	299.2	21.0
0°-60°	572.0	40.1
0°-90°	775.6	54.3
90°-120°	358.8	25.1
90°-150°	621.8	43.6
90°-180°	652.0	45.7
0°-180°	1427.6	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	212	212	212	212	212	
5°	228	223	212	202	198	22
15°	258	243	208	182	173	73
25°	278	253	198	163	152	129
35°	282	250	183	144	136	176
45°	266	232	162	126	122	205
55°	231	198	134	107	102	206
65°	175	148	100	81	78	172
75°	110	90	61	49	46	114
85°	25	22	15	1	0	30
90°	4	3	0	0	0	5
95°	111	44	26	1	0	123
105°	387	161	76	69	82	402
115°	488	200	102	91	115	475
125°	398	188	102	90	109	354
135°	226	131	74	68	78	179
145°	106	75	44	44	48	70
155°	58	47	32	32	34	28
165°	40	35	28	28	28	12
175°	30	28	27	26	26	3
180°	26	26	26	26	26	



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	212.4	212.4	212.4	212.4	212.4	212.4	212.4	212.4	212.4	212.4	212.4
2.5°	219.6	220.1	220.1	219.6	219.1	218.2	217.2	215.8	214.8	213.4	212.4
5°	228.2	228.2	228.2	226.8	225.3	223.4	221.0	218.6	216.2	213.8	211.9
7.5°	235.9	236.3	235.4	233.9	231.5	228.7	225.3	221.5	217.7	213.4	211.5
10°	243.5	244.0	242.6	241.1	237.8	233.9	229.2	223.4	218.2	212.9	211.0
12.5°	250.7	251.2	249.7	247.8	244.0	238.7	232.5	225.3	218.6	212.9	209.5
15°	257.9	257.9	256.4	254.0	248.8	242.6	235.4	226.8	218.6	211.5	208.1
17.5°	264.1	263.6	262.2	258.8	253.1	245.9	237.3	227.2	218.2	210.0	206.2
20°	270.3	269.8	267.9	264.1	257.9	249.2	239.7	228.2	217.7	208.6	204.3
22.5°	274.6	274.1	272.2	267.9	261.2	251.6	240.6	227.7	216.2	206.7	201.4
25°	278.0	278.0	275.6	271.3	263.6	253.1	241.1	227.2	214.8	203.8	198.5
27.5°	280.3	280.3	278.0	273.2	265.0	254.0	240.6	226.3	212.4	200.9	195.2
30°	282.3	281.8	279.4	273.6	265.5	253.6	239.7	224.4	210.0	197.6	191.4
32.5°	282.7	282.3	279.4	273.6	264.6	252.6	238.2	222.0	206.7	193.8	187.1
35°	281.8	281.3	278.4	272.2	262.6	250.2	235.4	218.6	202.8	189.4	182.8
37.5°	279.9	279.9	276.5	270.3	260.7	247.8	232.5	215.3	199.0	184.7	178.0
40°	276.5	276.5	273.2	266.5	256.9	243.5	228.2	211.0	194.2	179.4	172.7
42.5°	272.2	271.7	267.9	261.2	251.2	238.2	222.9	205.2	189.0	173.7	167.4
45°	266.0	265.5	262.2	255.5	244.9	232.0	216.7	199.5	183.2	167.9	161.7
47.5°	259.3	258.8	255.0	248.3	238.2	225.3	210.0	193.3	177.0	162.2	155.0
50°	250.7	250.7	246.9	240.2	230.1	217.2	201.9	185.6	169.8	155.0	148.8
52.5°	242.1	241.1	237.3	230.1	220.5	208.1	193.3	177.5	162.2	147.8	141.6
55°	231.1	229.6	226.3	219.6	210.0	197.6	183.7	168.4	154.0	140.2	134.0
57.5°	219.6	218.2	213.8	207.1	198.1	186.6	173.2	158.8	145.4	132.0	126.3
60°	204.8	204.8	200.5	193.8	185.1	174.1	162.2	148.8	135.9	123.4	117.7
62.5°	189.9	190.4	186.1	179.4	171.3	161.2	150.2	137.8	125.8	114.8	109.1
65°	174.6	174.6	170.3	164.1	156.9	147.8	137.3	126.3	115.3	105.2	100.0
67.5°	158.4	158.4	155.0	148.3	141.6	133.5	124.4	114.8	104.8	95.2	90.4
70°	142.1	141.6	138.7	132.5	126.3	119.1	111.0	102.9	93.8	85.2	80.9
72.5°	125.8	125.3	122.9	116.7	111.5	104.8	98.1	90.4	82.8	75.1	71.3
75°	109.6	108.6	106.2	100.5	95.7	89.9	83.2	78.0	71.3	64.6	61.2
77.5°	91.4	90.9	88.5	82.8	78.9	74.2	68.9	64.1	59.3	53.1	50.7
80°	70.3	69.4	67.9	63.1	60.8	56.9	53.1	49.8	45.9	41.6	39.2
82.5°	46.9	46.4	45.9	43.5	41.1	39.2	36.8	34.4	32.1	28.7	27.7
85°	25.4	25.8	25.4	23.9	22.5	21.5	21.0	19.6	18.7	16.3	15.3
87.5°	7.7	8.1	8.1	8.1	8.1	8.1	8.1	7.2	6.7	5.7	4.8
90°	4.3	4.3	4.3	3.8	3.8	2.9	2.4	1.4	1.0	0.0	0.0
92.5°	22.5	23.4	24.4	22.0	17.2	12.9	11.5	12.0	11.0	10.5	9.1
95°	111.0	110.5	106.7	92.3	67.5	44.5	35.9	34.4	31.1	29.2	26.3
97.5°	196.1	194.7	185.6	158.8	123.4	79.9	60.3	54.5	49.3	45.9	42.1
100°	271.7	269.8	255.9	221.5	171.3	114.3	83.7	72.7	65.5	59.8	56.0
102.5°	334.9	333.0	314.8	270.8	207.6	140.7	103.3	88.5	78.9	71.8	67.5
105°	387.0	385.6	362.6	309.5	235.4	160.7	118.6	100.9	89.9	80.9	76.5
107.5°	433.4	427.7	398.0	339.2	255.0	176.1	131.1	111.9	99.5	89.5	84.2
110°	464.1	458.3	424.8	358.3	267.4	188.0	142.6	121.5	108.1	96.6	90.9



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	481.3	477.4	440.1	368.4	274.1	195.7	151.2	129.6	115.3	103.3	97.6
115°	488.0	482.7	443.0	367.9	274.6	200.5	157.9	136.3	121.5	107.6	102.4
117.5°	480.8	475.1	434.4	358.8	270.3	201.9	162.2	140.2	124.4	111.0	105.2
120°	463.1	456.4	415.7	343.5	262.2	200.5	164.1	142.1	126.3	112.4	106.2
122.5°	433.9	427.7	388.5	321.5	249.7	196.1	162.2	141.1	125.3	111.0	105.2
125°	398.0	391.3	355.9	296.6	234.4	188.5	157.9	137.3	121.5	108.1	101.9
127.5°	356.4	349.2	320.5	268.4	216.2	177.0	150.2	130.6	115.3	102.9	97.1
130°	308.6	306.2	281.8	238.7	197.6	163.1	139.2	121.0	107.2	95.7	90.4
132.5°	268.9	261.7	242.6	208.6	175.6	147.3	126.3	110.0	97.1	87.1	82.3
135°	225.8	220.5	205.7	179.4	154.0	130.6	112.4	98.1	86.6	77.5	73.7
137.5°	188.0	185.1	172.7	154.0	133.0	114.8	99.0	86.1	76.1	68.4	65.1
140°	155.0	153.1	144.5	129.6	113.9	99.5	86.1	75.1	66.5	59.8	56.9
142.5°	127.7	126.3	120.1	109.1	97.6	86.1	74.6	66.0	57.9	52.6	50.2
145°	106.2	105.2	100.5	92.8	83.2	74.6	65.5	57.9	51.2	46.4	44.5
147.5°	89.0	88.5	85.2	79.9	72.7	65.1	57.9	51.2	45.4	41.6	39.7
150°	76.1	75.6	73.7	68.9	63.6	57.9	51.7	46.4	41.1	37.8	36.4
152.5°	66.0	65.5	64.1	60.8	56.9	52.1	46.9	42.6	38.3	34.9	34.0
155°	58.4	57.9	56.9	54.5	51.2	47.4	43.1	39.2	35.4	33.0	32.1
157.5°	52.1	52.1	51.2	49.3	46.4	43.5	40.2	36.8	33.5	31.6	30.6
160°	47.4	47.4	46.4	44.5	43.1	40.2	37.3	34.4	32.1	30.6	29.7
162.5°	43.1	43.1	42.1	41.1	39.7	37.3	35.4	33.0	31.1	29.7	28.7
165°	39.7	39.7	39.2	38.3	36.8	35.4	33.5	31.6	29.7	28.7	28.2
167.5°	36.4	36.8	36.4	35.4	34.4	33.0	31.6	30.1	29.2	28.2	27.7
170°	34.0	34.0	33.5	33.0	32.5	31.1	30.6	29.7	28.2	27.7	27.3
172.5°	31.6	31.6	31.1	31.1	30.6	30.1	29.2	28.7	27.7	27.3	27.3
175°	29.7	29.7	29.2	29.2	29.2	28.2	28.2	27.7	27.3	27.3	26.8
177.5°	28.2	28.2	28.2	27.7	27.7	27.7	27.7	27.3	26.8	26.8	26.3
180°	26.3	26.3	26.3	26.3	26.3	26.3	26.3	26.3	26.3	26.3	26.3



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CANDELA DISTRIBUTION (continued):

	112.5°	135°	157.5°	180°
0°	212.4	212.4	212.4	212.4
2.5°	210.0	207.1	205.7	205.7
5°	206.7	201.9	199.0	198.1
7.5°	203.8	196.6	192.8	191.8
10°	200.0	191.8	186.6	184.7
12.5°	196.1	186.6	180.8	178.4
15°	191.8	181.8	175.1	172.7
17.5°	188.0	177.0	169.8	167.0
20°	183.7	172.2	164.6	161.7
22.5°	179.9	167.4	159.8	156.9
25°	175.6	162.7	155.0	152.1
27.5°	171.3	158.4	150.2	147.8
30°	166.5	153.6	145.9	143.5
32.5°	162.7	148.8	142.1	139.7
35°	157.9	144.5	137.8	135.9
37.5°	153.1	140.2	134.0	132.0
40°	147.8	135.9	130.1	128.7
42.5°	143.0	131.1	126.3	125.3
45°	137.8	126.3	122.5	121.5
47.5°	132.5	122.0	118.2	117.2
50°	126.8	117.2	113.4	112.4
52.5°	120.6	111.9	108.1	107.2
55°	114.8	106.7	102.9	102.4
57.5°	108.1	100.9	97.1	96.6
60°	101.4	94.7	91.4	90.9
62.5°	94.2	88.0	84.7	84.7
65°	87.1	81.3	78.0	78.0
67.5°	79.4	74.2	71.3	70.3
70°	71.8	66.5	62.7	62.2
72.5°	64.1	58.4	54.1	54.1
75°	55.0	49.3	45.9	45.9
77.5°	46.4	39.7	36.8	36.8
80°	36.4	29.2	25.4	21.5
82.5°	24.4	17.2	1.0	0.0
85°	12.4	1.0	0.0	0.0
87.5°	1.4	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0
92.5°	1.4	0.0	0.0	0.0
95°	18.2	1.4	0.5	0.0
97.5°	35.4	27.3	2.9	0.0
100°	49.8	44.5	45.4	45.4
102.5°	59.8	58.4	64.1	67.5
105°	67.5	68.9	77.5	82.3
107.5°	73.7	77.5	88.5	94.2
110°	79.4	83.7	97.1	103.8



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CANDELA DISTRIBUTION (continued):

	112.5°	135°	157.5°	180°
112.5°	84.2	88.0	103.3	111.0
115°	88.0	90.9	106.7	115.3
117.5°	90.4	92.8	108.1	116.7
120°	91.4	93.8	107.6	116.3
122.5°	90.4	92.8	105.2	113.4
125°	88.0	90.4	101.4	109.1
127.5°	84.2	86.6	96.6	102.9
130°	78.5	80.9	89.9	95.7
132.5°	72.2	74.6	82.8	87.1
135°	65.1	67.9	74.6	78.5
137.5°	57.9	60.8	66.5	69.8
140°	51.7	54.1	58.8	61.7
142.5°	45.9	48.3	52.1	54.5
145°	41.1	43.5	46.4	48.3
147.5°	37.3	39.7	42.1	43.5
150°	34.4	36.4	38.8	39.2
152.5°	32.5	34.0	35.4	36.4
155°	30.6	32.1	33.5	34.0
157.5°	29.2	30.6	31.1	32.1
160°	28.2	29.2	30.1	30.1
162.5°	27.7	28.2	28.7	29.2
165°	27.3	27.7	27.7	27.7
167.5°	26.8	26.8	26.8	26.8
170°	26.8	26.3	26.3	26.3
172.5°	26.3	26.3	25.8	26.3
175°	26.3	25.8	25.8	25.8
177.5°	26.3	26.3	26.3	26.3
180°	26.3	26.3	26.3	26.3

(END OF REPORT)