

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: P286893

Luminaire Tested: **DWI-WD-25L830-1D-UNV-STD-W-WM-4**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P286893
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-25L830-1D-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: 2398.1 lumens
Efficiency: N/A
Efficacy: 126.2 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

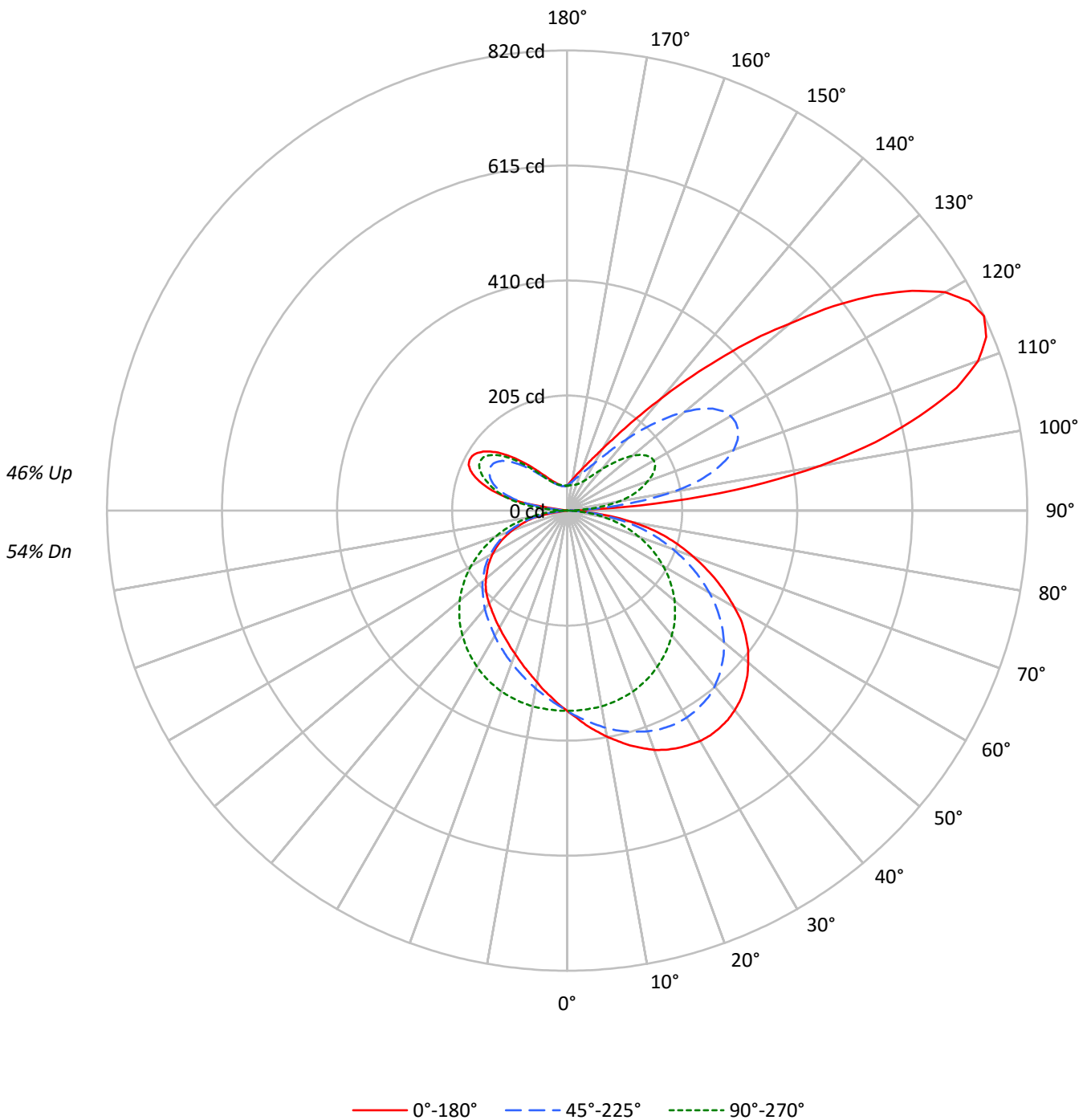
Input Watts (W): 19
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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°	2726	2726	2726
5°	2939	2730	2551
10°	3173	2749	2406
15°	3425	2765	2294
20°	3691	2789	2208
25°	3936	2811	2154
30°	4182	2835	2127
35°	4414	2863	2128
40°	4632	2893	2156
45°	4827	2934	2205
50°	5005	2970	2244
55°	5169	2997	2291
60°	5255	3021	2333
65°	5302	3037	2368
70°	5332	3033	2334
75°	5431	3037	2276
80°	5196	2899	1593
85°	3734	2253	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	34.1	1.4
10°-20°	100.7	4.2
20°-30°	160.8	6.7
30°-40°	206.9	8.6
40°-50°	231.4	9.7
50°-60°	226.8	9.5
60°-70°	189.1	7.9
70°-80°	122.6	5.1
80°-90°	30.3	1.3
90°-100°	71.4	3.0
100°-110°	241.4	10.1
110°-120°	289.9	12.1
120°-130°	237.3	9.9
130°-140°	139.2	5.8
140°-150°	65.2	2.7
150°-160°	31.3	1.3
160°-170°	15.1	0.6
170°-180°	4.5	0.2
0°-30°	295.6	12.3
0°-40°	502.5	21.0
0°-60°	960.8	40.1
0°-90°	1302.8	54.3
90°-120°	602.7	25.1
90°-150°	1044.5	43.6
90°-180°	1095.0	45.7
0°-180°	2398.1	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	357	357	357	357	357	
5°	383	375	356	339	333	37
15°	433	407	350	305	290	123
25°	467	425	334	273	256	216
35°	473	420	307	243	228	296
45°	447	390	272	212	204	345
55°	388	332	225	179	172	346
65°	293	248	168	137	131	290
75°	184	151	103	83	77	192
85°	43	36	26	2	0	51
90°	7	5	0	0	0	9
95°	186	75	44	2	0	207
105°	650	270	129	116	138	675
115°	820	337	172	153	194	798
125°	669	317	171	152	183	595
135°	379	219	124	114	132	300
145°	178	125	75	73	81	117
155°	98	80	54	54	57	47
165°	67	60	47	47	47	19
175°	50	47	45	43	43	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°	356.8	356.8	356.8	356.8	356.8	356.8	356.8	356.8	356.8	356.8	356.8
2.5°	368.9	369.7	369.7	368.9	368.1	366.4	364.8	362.4	360.8	358.4	356.8
5°	383.3	383.3	383.3	380.9	378.5	375.3	371.3	367.3	363.2	359.2	356.0
7.5°	396.2	397.0	395.4	393.0	388.9	384.1	378.5	372.1	365.6	358.4	355.2
10°	409.0	409.8	407.4	405.0	399.4	393.0	384.9	375.3	366.4	357.6	354.4
12.5°	421.1	421.9	419.5	416.3	409.8	401.0	390.6	378.5	367.3	357.6	352.0
15°	433.1	433.1	430.7	426.7	417.9	407.4	395.4	380.9	367.3	355.2	349.6
17.5°	443.6	442.8	440.4	434.8	425.1	413.1	398.6	381.7	366.4	352.8	346.4
20°	454.0	453.2	450.0	443.6	433.1	418.7	402.6	383.3	365.6	350.4	343.1
22.5°	461.3	460.5	457.3	450.0	438.8	422.7	404.2	382.5	363.2	347.2	338.3
25°	466.9	466.9	462.9	455.6	442.8	425.1	405.0	381.7	360.8	342.3	333.5
27.5°	470.9	470.9	466.9	458.9	445.2	426.7	404.2	380.1	356.8	337.5	327.9
30°	474.1	473.3	469.3	459.7	446.0	425.9	402.6	376.9	352.8	331.9	321.4
32.5°	474.9	474.1	469.3	459.7	444.4	424.3	400.2	372.9	347.2	325.5	314.2
35°	473.3	472.5	467.7	457.3	441.2	420.3	395.4	367.3	340.7	318.2	307.0
37.5°	470.1	470.1	464.5	454.0	438.0	416.3	390.6	361.6	334.3	310.2	298.9
40°	464.5	464.5	458.9	447.6	431.5	409.0	383.3	354.4	326.3	301.4	290.1
42.5°	457.3	456.5	450.0	438.8	421.9	400.2	374.5	344.8	317.4	291.7	281.3
45°	446.8	446.0	440.4	429.1	411.5	389.8	364.0	335.1	307.8	282.1	271.6
47.5°	435.6	434.8	428.3	417.1	400.2	378.5	352.8	324.7	297.3	272.4	260.4
50°	421.1	421.1	414.7	403.4	386.5	364.8	339.1	311.8	285.3	260.4	249.9
52.5°	406.6	405.0	398.6	386.5	370.5	349.6	324.7	298.1	272.4	248.3	237.9
55°	388.1	385.7	380.1	368.9	352.8	331.9	308.6	282.9	258.8	235.5	225.0
57.5°	368.9	366.4	359.2	348.0	332.7	313.4	290.9	266.8	244.3	221.8	212.2
60°	343.9	343.9	336.7	325.5	311.0	292.5	272.4	249.9	228.2	207.3	197.7
62.5°	319.0	319.8	312.6	301.4	287.7	270.8	252.3	231.4	211.4	192.9	183.2
65°	293.3	293.3	286.1	275.6	263.6	248.3	230.6	212.2	193.7	176.8	168.0
67.5°	266.0	266.0	260.4	249.1	237.9	224.2	208.9	192.9	176.0	159.9	151.9
70°	238.7	237.9	233.0	222.6	212.2	200.1	186.4	172.8	157.5	143.0	135.8
72.5°	211.4	210.5	206.5	196.1	187.2	176.0	164.7	151.9	139.0	126.2	119.7
75°	184.0	182.4	178.4	168.8	160.7	151.1	139.8	131.0	119.7	108.5	102.9
77.5°	153.5	152.7	148.7	139.0	132.6	124.6	115.7	107.7	99.6	89.2	85.2
80°	118.1	116.5	114.1	106.1	102.1	95.6	89.2	83.6	77.1	69.9	65.9
82.5°	78.8	78.0	77.1	73.1	69.1	65.9	61.9	57.9	53.8	48.2	46.6
85°	42.6	43.4	42.6	40.2	37.8	36.2	35.4	32.9	31.3	27.3	25.7
87.5°	12.9	13.7	13.7	13.7	13.7	13.7	13.7	12.1	11.3	9.6	8.0
90°	7.2	7.2	7.2	6.4	6.4	4.8	4.0	2.4	1.6	0.0	0.0
92.5°	37.8	39.4	41.0	37.0	28.9	21.7	19.3	20.1	18.5	17.7	15.3
95°	186.4	185.6	179.2	155.1	113.3	74.7	60.3	57.9	52.2	49.0	44.2
97.5°	329.5	327.1	311.8	266.8	207.3	134.2	101.3	91.6	82.8	77.1	70.7
100°	456.5	453.2	429.9	372.1	287.7	192.1	140.6	122.1	110.1	100.5	94.0
102.5°	562.5	559.3	528.8	454.8	348.8	236.3	173.6	148.7	132.6	120.5	113.3
105°	650.1	647.7	609.1	519.9	395.4	270.0	199.3	169.6	151.1	135.8	128.6
107.5°	728.1	718.4	668.6	569.8	428.3	295.7	220.2	188.0	167.2	150.3	141.4
110°	779.5	769.9	713.6	601.9	449.2	315.8	239.5	204.1	181.6	162.3	152.7



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	808.4	802.0	739.3	618.8	460.5	328.7	253.9	217.8	193.7	173.6	163.9
115°	819.7	810.8	744.1	618.0	461.3	336.7	265.2	229.0	204.1	180.8	172.0
117.5°	807.6	798.0	729.7	602.7	454.0	339.1	272.4	235.5	208.9	186.4	176.8
120°	777.9	766.6	698.3	577.0	440.4	336.7	275.6	238.7	212.2	188.8	178.4
122.5°	728.9	718.4	652.5	540.0	419.5	329.5	272.4	237.1	210.5	186.4	176.8
125°	668.6	657.4	597.9	498.2	393.8	316.6	265.2	230.6	204.1	181.6	171.2
127.5°	598.7	586.6	538.4	450.8	363.2	297.3	252.3	219.4	193.7	172.8	163.1
130°	518.3	514.3	473.3	401.0	331.9	274.0	233.9	203.3	180.0	160.7	151.9
132.5°	451.6	439.6	407.4	350.4	294.9	247.5	212.2	184.8	163.1	146.3	138.2
135°	379.3	370.5	345.6	301.4	258.8	219.4	188.8	164.7	145.5	130.2	123.8
137.5°	315.8	311.0	290.1	258.8	223.4	192.9	166.3	144.7	127.8	114.9	109.3
140°	260.4	257.2	242.7	217.8	191.3	167.2	144.7	126.2	111.7	100.5	95.6
142.5°	214.6	212.2	201.7	183.2	163.9	144.7	125.4	110.9	97.2	88.4	84.4
145°	178.4	176.8	168.8	155.9	139.8	125.4	110.1	97.2	86.0	78.0	74.7
147.5°	149.5	148.7	143.0	134.2	122.1	109.3	97.2	86.0	76.3	69.9	66.7
150°	127.8	127.0	123.8	115.7	106.9	97.2	86.8	78.0	69.1	63.5	61.1
152.5°	110.9	110.1	107.7	102.1	95.6	87.6	78.8	71.5	64.3	58.7	57.1
155°	98.0	97.2	95.6	91.6	86.0	79.6	72.3	65.9	59.5	55.4	53.8
157.5°	87.6	87.6	86.0	82.8	78.0	73.1	67.5	61.9	56.3	53.0	51.4
160°	79.6	79.6	78.0	74.7	72.3	67.5	62.7	57.9	53.8	51.4	49.8
162.5°	72.3	72.3	70.7	69.1	66.7	62.7	59.5	55.4	52.2	49.8	48.2
165°	66.7	66.7	65.9	64.3	61.9	59.5	56.3	53.0	49.8	48.2	47.4
167.5°	61.1	61.9	61.1	59.5	57.9	55.4	53.0	50.6	49.0	47.4	46.6
170°	57.1	57.1	56.3	55.4	54.6	52.2	51.4	49.8	47.4	46.6	45.8
172.5°	53.0	53.0	52.2	52.2	51.4	50.6	49.0	48.2	46.6	45.8	45.8
175°	49.8	49.8	49.0	49.0	49.0	47.4	47.4	46.6	45.8	45.8	45.0
177.5°	47.4	47.4	47.4	46.6	46.6	46.6	46.6	45.8	45.0	45.0	44.2
180°	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2



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CANDELA DISTRIBUTION (continued):

	112.5°	135°	157.5°	180°
0°	356.8	356.8	356.8	356.8
2.5°	352.8	348.0	345.6	345.6
5°	347.2	339.1	334.3	332.7
7.5°	342.3	330.3	323.9	322.2
10°	335.9	322.2	313.4	310.2
12.5°	329.5	313.4	303.8	299.7
15°	322.2	305.4	294.1	290.1
17.5°	315.8	297.3	285.3	280.5
20°	308.6	289.3	276.4	271.6
22.5°	302.2	281.3	268.4	263.6
25°	294.9	273.2	260.4	255.5
27.5°	287.7	266.0	252.3	248.3
30°	279.7	258.0	245.1	241.1
32.5°	273.2	249.9	238.7	234.7
35°	265.2	242.7	231.4	228.2
37.5°	257.2	235.5	225.0	221.8
40°	248.3	228.2	218.6	216.2
42.5°	240.3	220.2	212.2	210.5
45°	231.4	212.2	205.7	204.1
47.5°	222.6	204.9	198.5	196.9
50°	213.0	196.9	190.5	188.8
52.5°	202.5	188.0	181.6	180.0
55°	192.9	179.2	172.8	172.0
57.5°	181.6	169.6	163.1	162.3
60°	170.4	159.1	153.5	152.7
62.5°	158.3	147.9	142.2	142.2
65°	146.3	136.6	131.0	131.0
67.5°	133.4	124.6	119.7	118.1
70°	120.5	111.7	105.3	104.5
72.5°	107.7	98.0	90.8	90.8
75°	92.4	82.8	77.1	77.1
77.5°	78.0	66.7	61.9	61.9
80°	61.1	49.0	42.6	36.2
82.5°	41.0	28.9	1.6	0.0
85°	20.9	1.6	0.0	0.0
87.5°	2.4	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0
92.5°	2.4	0.0	0.0	0.0
95°	30.5	2.4	0.8	0.0
97.5°	59.5	45.8	4.8	0.0
100°	83.6	74.7	76.3	76.3
102.5°	100.5	98.0	107.7	113.3
105°	113.3	115.7	130.2	138.2
107.5°	123.8	130.2	148.7	158.3
110°	133.4	140.6	163.1	174.4



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CANDELA DISTRIBUTION (continued):

	112.5°	135°	157.5°	180°
112.5°	141.4	147.9	173.6	186.4
115°	147.9	152.7	179.2	193.7
117.5°	151.9	155.9	181.6	196.1
120°	153.5	157.5	180.8	195.3
122.5°	151.9	155.9	176.8	190.5
125°	147.9	151.9	170.4	183.2
127.5°	141.4	145.5	162.3	172.8
130°	131.8	135.8	151.1	160.7
132.5°	121.3	125.4	139.0	146.3
135°	109.3	114.1	125.4	131.8
137.5°	97.2	102.1	111.7	117.3
140°	86.8	90.8	98.8	103.7
142.5°	77.1	81.2	87.6	91.6
145°	69.1	73.1	78.0	81.2
147.5°	62.7	66.7	70.7	73.1
150°	57.9	61.1	65.1	65.9
152.5°	54.6	57.1	59.5	61.1
155°	51.4	53.8	56.3	57.1
157.5°	49.0	51.4	52.2	53.8
160°	47.4	49.0	50.6	50.6
162.5°	46.6	47.4	48.2	49.0
165°	45.8	46.6	46.6	46.6
167.5°	45.0	45.0	45.0	45.0
170°	45.0	44.2	44.2	44.2
172.5°	44.2	44.2	43.4	44.2
175°	44.2	43.4	43.4	43.4
177.5°	44.2	44.2	44.2	44.2
180°	44.2	44.2	44.2	44.2

(END OF REPORT)