

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: P286894

Luminaire Tested: **DWI-WD-30L830-1D-UNV-STD-W-WM-4**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P286894
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-30L830-1D-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: 2881.9 lumens
Efficiency: N/A
Efficacy: 124.8 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

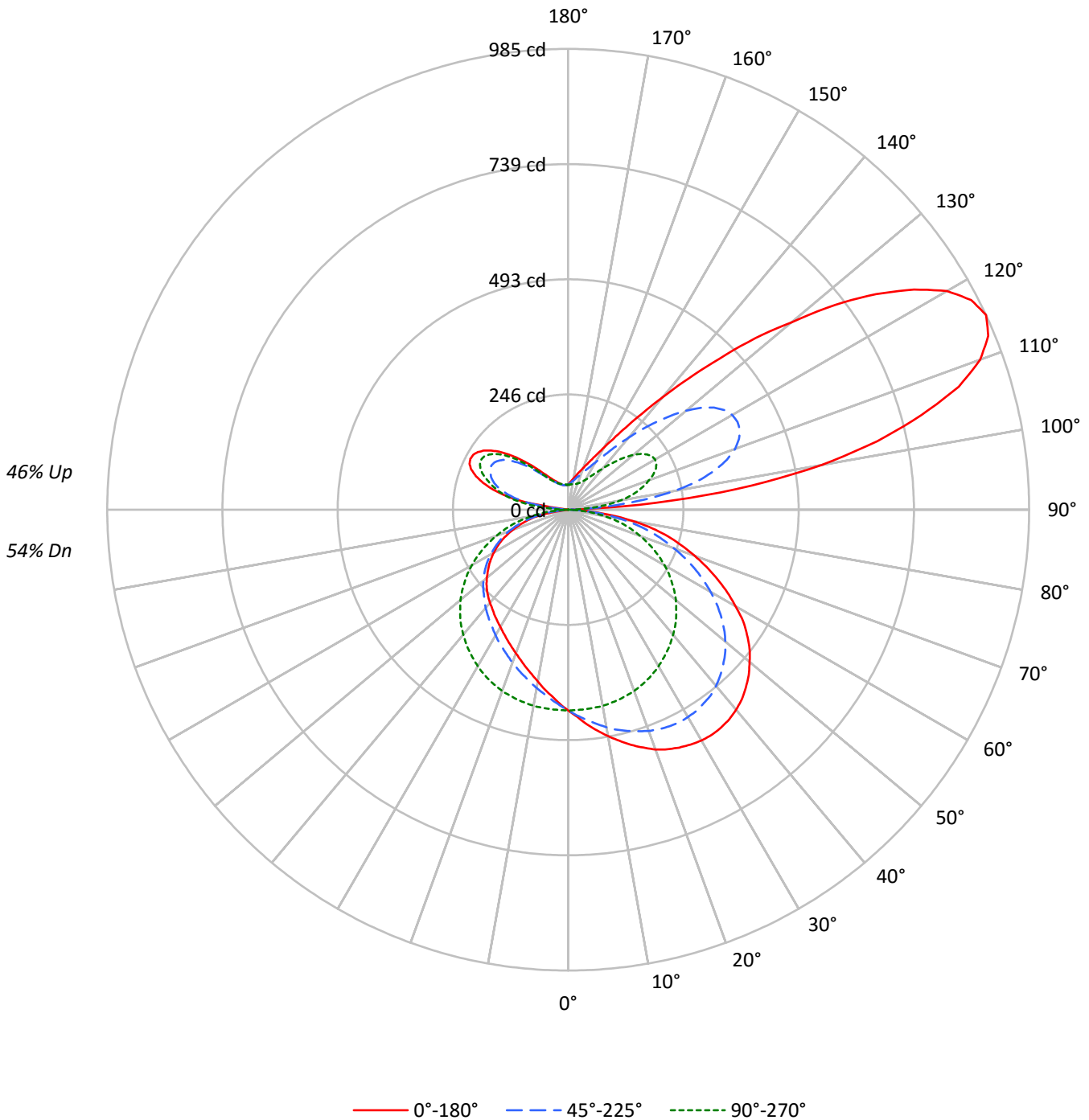
Input Watts (W): 23.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	3276	3276	3276
5°	3533	3281	3066
10°	3814	3304	2892
15°	4117	3323	2757
20°	4436	3353	2654
25°	4730	3378	2589
30°	5026	3408	2556
35°	5305	3440	2558
40°	5567	3477	2591
45°	5802	3526	2650
50°	6014	3569	2697
55°	6213	3602	2753
60°	6315	3630	2804
65°	6372	3648	2845
70°	6406	3645	2803
75°	6529	3648	2736
80°	6247	3484	1914
85°	4488	2709	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	41.0	1.4
10°-20°	121.1	4.2
20°-30°	193.2	6.7
30°-40°	248.6	8.6
40°-50°	278.1	9.7
50°-60°	272.6	9.5
60°-70°	227.2	7.9
70°-80°	147.3	5.1
80°-90°	36.5	1.3
90°-100°	85.8	3.0
100°-110°	290.1	10.1
110°-120°	348.4	12.1
120°-130°	285.2	9.9
130°-140°	167.3	5.8
140°-150°	78.3	2.7
150°-160°	37.6	1.3
160°-170°	18.1	0.6
170°-180°	5.4	0.2
0°-30°	355.3	12.3
0°-40°	603.9	21.0
0°-60°	1154.7	40.1
0°-90°	1565.6	54.3
90°-120°	724.4	25.1
90°-150°	1255.2	43.6
90°-180°	1316.0	45.7
0°-180°	2881.9	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	429	429	429	429	429	
5°	461	451	428	408	400	45
15°	520	490	420	367	349	148
25°	561	511	401	328	307	259
35°	569	505	369	292	274	356
45°	537	468	326	255	245	414
55°	466	399	270	215	207	416
65°	352	298	202	164	157	348
75°	221	182	124	100	93	231
85°	51	44	31	2	0	61
90°	9	6	0	0	0	11
95°	224	90	53	3	0	249
105°	781	324	154	139	166	812
115°	985	405	207	184	233	959
125°	804	380	206	182	220	715
135°	456	264	149	137	158	361
145°	214	151	90	88	98	141
155°	118	96	65	65	69	56
165°	80	72	57	56	56	23
175°	60	57	54	52	52	6
180°	53	53	53	53	53	



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	428.8	428.8	428.8	428.8	428.8	428.8	428.8	428.8	428.8	428.8	428.8
2.5°	443.3	444.2	444.2	443.3	442.3	440.4	438.4	435.5	433.6	430.7	428.8
5°	460.7	460.7	460.7	457.8	454.9	451.0	446.2	441.3	436.5	431.7	427.8
7.5°	476.1	477.1	475.1	472.2	467.4	461.6	454.9	447.1	439.4	430.7	426.9
10°	491.6	492.5	489.6	486.7	480.0	472.2	462.6	451.0	440.4	429.8	425.9
12.5°	506.0	507.0	504.1	500.3	492.5	481.9	469.4	454.9	441.3	429.8	423.0
15°	520.5	520.5	517.6	512.8	502.2	489.6	475.1	457.8	441.3	426.9	420.1
17.5°	533.1	532.1	529.2	522.5	510.9	496.4	479.0	458.7	440.4	424.0	416.2
20°	545.6	544.7	540.8	533.1	520.5	503.2	483.8	460.7	439.4	421.1	412.4
22.5°	554.3	553.4	549.5	540.8	527.3	508.0	485.8	459.7	436.5	417.2	406.6
25°	561.1	561.1	556.3	547.6	532.1	510.9	486.7	458.7	433.6	411.4	400.8
27.5°	565.9	565.9	561.1	551.4	535.0	512.8	485.8	456.8	428.8	405.6	394.0
30°	569.8	568.8	564.0	552.4	536.0	511.8	483.8	452.9	424.0	398.9	386.3
32.5°	570.8	569.8	564.0	552.4	534.1	509.9	480.9	448.1	417.2	391.1	377.6
35°	568.8	567.9	562.1	549.5	530.2	505.1	475.1	441.3	409.5	382.4	368.9
37.5°	565.0	565.0	558.2	545.6	526.3	500.3	469.4	434.6	401.7	372.8	359.3
40°	558.2	558.2	551.4	537.9	518.6	491.6	460.7	425.9	392.1	362.2	348.6
42.5°	549.5	548.5	540.8	527.3	507.0	480.9	450.0	414.3	381.5	350.6	338.0
45°	537.0	536.0	529.2	515.7	494.5	468.4	437.5	402.7	369.9	339.0	326.4
47.5°	523.4	522.5	514.7	501.2	480.9	454.9	424.0	390.2	357.3	327.4	312.9
50°	506.0	506.0	498.3	484.8	464.5	438.4	407.5	374.7	342.8	312.9	300.3
52.5°	488.7	486.7	479.0	464.5	445.2	420.1	390.2	358.3	327.4	298.4	285.9
55°	466.5	463.6	456.8	443.3	424.0	398.9	370.8	339.9	311.0	283.0	270.4
57.5°	443.3	440.4	431.7	418.2	399.8	376.6	349.6	320.6	293.6	266.5	255.0
60°	413.3	413.3	404.6	391.1	373.7	351.5	327.4	300.3	274.3	249.2	237.6
62.5°	383.4	384.4	375.7	362.2	345.7	325.5	303.2	278.1	254.0	231.8	220.2
65°	352.5	352.5	343.8	331.2	316.8	298.4	277.2	255.0	232.7	212.5	201.8
67.5°	319.7	319.7	312.9	299.4	285.9	269.4	251.1	231.8	211.5	192.2	182.5
70°	286.8	285.9	280.1	267.5	255.0	240.5	224.1	207.6	189.3	171.9	163.2
72.5°	254.0	253.0	248.2	235.6	225.0	211.5	198.0	182.5	167.1	151.6	143.9
75°	221.2	219.2	214.4	202.8	193.1	181.6	168.0	157.4	143.9	130.4	123.6
77.5°	184.5	183.5	178.7	167.1	159.3	149.7	139.1	129.4	119.8	107.2	102.4
80°	142.0	140.0	137.1	127.5	122.6	114.9	107.2	100.4	92.7	84.0	79.2
82.5°	94.6	93.7	92.7	87.9	83.1	79.2	74.4	69.5	64.7	57.9	56.0
85°	51.2	52.2	51.2	48.3	45.4	43.5	42.5	39.6	37.7	32.8	30.9
87.5°	15.5	16.4	16.4	16.4	16.4	16.4	16.4	14.5	13.5	11.6	9.7
90°	8.7	8.7	8.7	7.7	7.7	5.8	4.8	2.9	1.9	0.0	0.0
92.5°	45.4	47.3	49.3	44.4	34.8	26.1	23.2	24.1	22.2	21.2	18.3
95°	224.1	223.1	215.4	186.4	136.2	89.8	72.4	69.5	62.8	58.9	53.1
97.5°	396.0	393.1	374.7	320.6	249.2	161.3	121.7	110.1	99.5	92.7	85.0
100°	548.5	544.7	516.7	447.1	345.7	230.8	169.0	146.8	132.3	120.7	113.0
102.5°	676.0	672.2	635.5	546.6	419.1	283.9	208.6	178.7	159.3	144.9	136.2
105°	781.3	778.4	732.0	624.8	475.1	324.5	239.5	203.8	181.6	163.2	154.5
107.5°	875.0	863.4	803.5	684.7	514.7	355.4	264.6	226.0	200.9	180.6	170.0
110°	936.8	925.2	857.6	723.3	539.9	379.5	287.8	245.3	218.3	195.1	183.5



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	971.5	963.8	888.5	743.6	553.4	395.0	305.2	261.7	232.7	208.6	197.0
115°	985.1	974.4	894.3	742.7	554.3	404.6	318.7	275.2	245.3	217.3	206.7
117.5°	970.6	959.0	876.9	724.3	545.6	407.5	327.4	283.0	251.1	224.1	212.5
120°	934.8	921.3	839.2	693.4	529.2	404.6	331.2	286.8	255.0	226.9	214.4
122.5°	875.9	863.4	784.2	649.0	504.1	396.0	327.4	284.9	253.0	224.1	212.5
125°	803.5	790.0	718.5	598.8	473.2	380.5	318.7	277.2	245.3	218.3	205.7
127.5°	719.5	705.0	647.0	541.8	436.5	357.3	303.2	263.6	232.7	207.6	196.0
130°	622.9	618.1	568.8	481.9	398.9	329.3	281.0	244.3	216.3	193.1	182.5
132.5°	542.7	528.3	489.6	421.1	354.4	297.4	255.0	222.1	196.0	175.8	166.1
135°	455.8	445.2	415.3	362.2	311.0	263.6	226.9	198.0	174.8	156.5	148.7
137.5°	379.5	373.7	348.6	311.0	268.5	231.8	199.9	173.8	153.6	138.1	131.3
140°	312.9	309.0	291.7	261.7	229.8	200.9	173.8	151.6	134.2	120.7	114.9
142.5°	257.9	255.0	242.4	220.2	197.0	173.8	150.7	133.3	116.9	106.2	101.4
145°	214.4	212.5	202.8	187.4	168.0	150.7	132.3	116.9	103.3	93.7	89.8
147.5°	179.6	178.7	171.9	161.3	146.8	131.3	116.9	103.3	91.7	84.0	80.2
150°	153.6	152.6	148.7	139.1	128.4	116.9	104.3	93.7	83.1	76.3	73.4
152.5°	133.3	132.3	129.4	122.6	114.9	105.3	94.6	86.0	77.3	70.5	68.6
155°	117.8	116.9	114.9	110.1	103.3	95.6	86.9	79.2	71.5	66.6	64.7
157.5°	105.3	105.3	103.3	99.5	93.7	87.9	81.1	74.4	67.6	63.7	61.8
160°	95.6	95.6	93.7	89.8	86.9	81.1	75.3	69.5	64.7	61.8	59.9
162.5°	86.9	86.9	85.0	83.1	80.2	75.3	71.5	66.6	62.8	59.9	57.9
165°	80.2	80.2	79.2	77.3	74.4	71.5	67.6	63.7	59.9	57.9	57.0
167.5°	73.4	74.4	73.4	71.5	69.5	66.6	63.7	60.8	58.9	57.0	56.0
170°	68.6	68.6	67.6	66.6	65.7	62.8	61.8	59.9	57.0	56.0	55.0
172.5°	63.7	63.7	62.8	62.8	61.8	60.8	58.9	57.9	56.0	55.0	55.0
175°	59.9	59.9	58.9	58.9	58.9	57.0	57.0	56.0	55.0	55.0	54.1
177.5°	57.0	57.0	57.0	56.0	56.0	56.0	56.0	55.0	54.1	54.1	53.1
180°	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1



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CANDELA DISTRIBUTION (continued):

	112.5°	135°	157.5°	180°
0°	428.8	428.8	428.8	428.8
2.5°	424.0	418.2	415.3	415.3
5°	417.2	407.5	401.7	399.8
7.5°	411.4	396.9	389.2	387.3
10°	403.7	387.3	376.6	372.8
12.5°	396.0	376.6	365.1	360.2
15°	387.3	367.0	353.5	348.6
17.5°	379.5	357.3	342.8	337.0
20°	370.8	347.7	332.2	326.4
22.5°	363.1	338.0	322.6	316.8
25°	354.4	328.4	312.9	307.1
27.5°	345.7	319.7	303.2	298.4
30°	336.1	310.0	294.6	289.7
32.5°	328.4	300.3	286.8	282.0
35°	318.7	291.7	278.1	274.3
37.5°	309.0	283.0	270.4	266.5
40°	298.4	274.3	262.7	259.8
42.5°	288.8	264.6	255.0	253.0
45°	278.1	255.0	247.2	245.3
47.5°	267.5	246.3	238.5	236.6
50°	255.9	236.6	228.9	226.9
52.5°	243.4	226.0	218.3	216.3
55°	231.8	215.4	207.6	206.7
57.5°	218.3	203.8	196.0	195.1
60°	204.7	191.2	184.5	183.5
62.5°	190.3	177.7	170.9	170.9
65°	175.8	164.2	157.4	157.4
67.5°	160.3	149.7	143.9	142.0
70°	144.9	134.2	126.5	125.5
72.5°	129.4	117.8	109.1	109.1
75°	111.1	99.5	92.7	92.7
77.5°	93.7	80.2	74.4	74.4
80°	73.4	58.9	51.2	43.5
82.5°	49.3	34.8	1.9	0.0
85°	25.1	1.9	0.0	0.0
87.5°	2.9	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0
92.5°	2.9	0.0	0.0	0.0
95°	36.7	2.9	1.0	0.0
97.5°	71.5	55.0	5.8	0.0
100°	100.4	89.8	91.7	91.7
102.5°	120.7	117.8	129.4	136.2
105°	136.2	139.1	156.5	166.1
107.5°	148.7	156.5	178.7	190.3
110°	160.3	169.0	196.0	209.6



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CANDELA DISTRIBUTION (continued):

	112.5°	135°	157.5°	180°
112.5°	170.0	177.7	208.6	224.1
115°	177.7	183.5	215.4	232.7
117.5°	182.5	187.4	218.3	235.6
120°	184.5	189.3	217.3	234.7
122.5°	182.5	187.4	212.5	228.9
125°	177.7	182.5	204.7	220.2
127.5°	170.0	174.8	195.1	207.6
130°	158.4	163.2	181.6	193.1
132.5°	145.8	150.7	167.1	175.8
135°	131.3	137.1	150.7	158.4
137.5°	116.9	122.6	134.2	141.0
140°	104.3	109.1	118.8	124.6
142.5°	92.7	97.5	105.3	110.1
145°	83.1	87.9	93.7	97.5
147.5°	75.3	80.2	85.0	87.9
150°	69.5	73.4	78.2	79.2
152.5°	65.7	68.6	71.5	73.4
155°	61.8	64.7	67.6	68.6
157.5°	58.9	61.8	62.8	64.7
160°	57.0	58.9	60.8	60.8
162.5°	56.0	57.0	57.9	58.9
165°	55.0	56.0	56.0	56.0
167.5°	54.1	54.1	54.1	54.1
170°	54.1	53.1	53.1	53.1
172.5°	53.1	53.1	52.2	53.1
175°	53.1	52.2	52.2	52.2
177.5°	53.1	53.1	53.1	53.1
180°	53.1	53.1	53.1	53.1

(END OF REPORT)