

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: P286900

Luminaire Tested: **DWI-WD-30L835-1D-UNV-STD-W-WM-4**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P286900
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-30L835-1D-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: 3026.0 lumens
Efficiency: N/A
Efficacy: 131.0 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

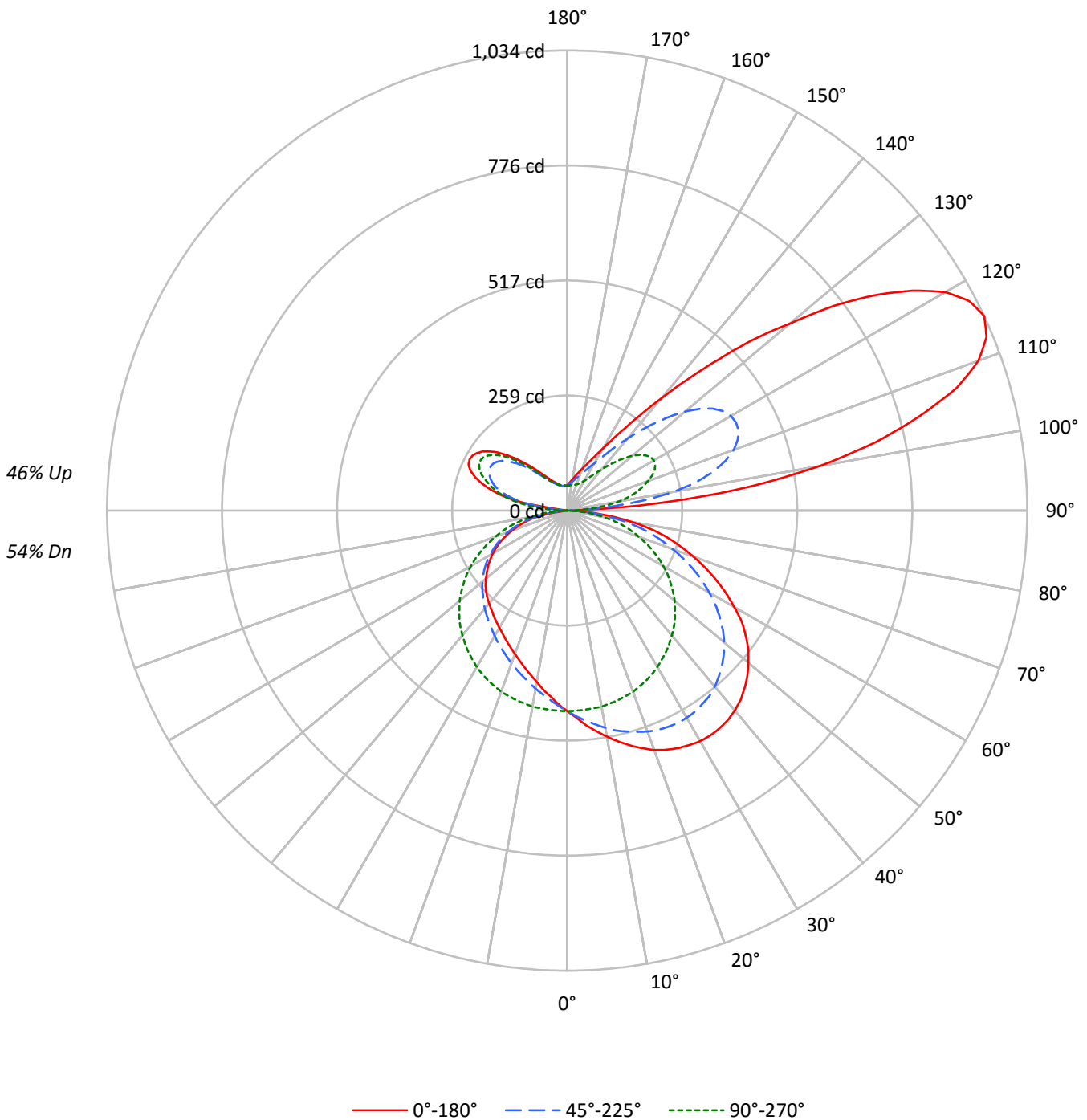
Input Watts (W): 23.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	3439	3439	3439
5°	3709	3445	3219
10°	4004	3469	3036
15°	4323	3489	2896
20°	4658	3520	2786
25°	4967	3547	2718
30°	5278	3578	2683
35°	5571	3613	2686
40°	5845	3651	2721
45°	6091	3703	2783
50°	6316	3749	2832
55°	6524	3781	2890
60°	6631	3812	2944
65°	6690	3830	2988
70°	6728	3829	2944
75°	6854	3831	2872
80°	6560	3660	2006
85°	4707	2840	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	43.1	1.4
10°-20°	127.1	4.2
20°-30°	202.9	6.7
30°-40°	261.1	8.6
40°-50°	292.0	9.7
50°-60°	286.2	9.5
60°-70°	238.6	7.9
70°-80°	154.7	5.1
80°-90°	38.3	1.3
90°-100°	90.1	3.0
100°-110°	304.6	10.1
110°-120°	365.9	12.1
120°-130°	299.5	9.9
130°-140°	175.7	5.8
140°-150°	82.3	2.7
150°-160°	39.5	1.3
160°-170°	19.0	0.6
170°-180°	5.6	0.2
0°-30°	373.1	12.3
0°-40°	634.1	21.0
0°-60°	1212.4	40.1
0°-90°	1643.9	54.3
90°-120°	760.6	25.1
90°-150°	1317.9	43.6
90°-180°	1382.0	45.7
0°-180°	3026.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	450	450	450	450	450	
5°	484	474	449	428	420	47
15°	547	514	441	385	366	155
25°	589	536	421	345	322	272
35°	597	530	387	306	288	374
45°	564	492	343	268	258	435
55°	490	419	284	226	217	437
65°	370	313	212	172	165	365
75°	232	191	130	104	97	242
85°	54	46	32	2	0	64
90°	9	6	0	0	0	11
95°	235	94	56	3	0	262
105°	820	341	162	146	174	852
115°	1034	425	217	193	244	1007
125°	844	400	216	192	231	751
135°	479	277	156	144	166	379
145°	225	158	94	92	102	148
155°	124	100	68	68	72	59
165°	84	75	60	59	59	24
175°	63	60	57	55	55	6
180°	56	56	56	56	56	



TEST NUMBER: P286900

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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	450.2	450.2	450.2	450.2	450.2	450.2	450.2	450.2	450.2	450.2	450.2
2.5°	465.4	466.5	466.5	465.4	464.4	462.4	460.4	457.3	455.3	452.3	450.2
5°	483.7	483.7	483.7	480.7	477.6	473.6	468.5	463.4	458.3	453.3	449.2
7.5°	499.9	500.9	498.9	495.9	490.8	484.7	477.6	469.5	461.4	452.3	448.2
10°	516.1	517.2	514.1	511.1	504.0	495.9	485.7	473.6	462.4	451.2	447.2
12.5°	531.4	532.4	529.3	525.3	517.2	506.0	492.8	477.6	463.4	451.2	444.1
15°	546.6	546.6	543.5	538.4	527.3	514.1	498.9	480.7	463.4	448.2	441.1
17.5°	559.7	558.7	555.7	548.6	536.4	521.2	503.0	481.7	462.4	445.2	437.0
20°	572.9	571.9	567.9	559.7	546.6	528.3	508.0	483.7	461.4	442.1	433.0
22.5°	582.1	581.0	577.0	567.9	553.7	533.4	510.1	482.7	458.3	438.1	426.9
25°	589.2	589.2	584.1	575.0	558.7	536.4	511.1	481.7	455.3	432.0	420.8
27.5°	594.2	594.2	589.2	579.0	561.8	538.4	510.1	479.6	450.2	425.9	413.7
30°	598.3	597.3	592.2	580.0	562.8	537.4	508.0	475.6	445.2	418.8	405.6
32.5°	599.3	598.3	592.2	580.0	560.8	535.4	505.0	470.5	438.1	410.7	396.5
35°	597.3	596.2	590.2	577.0	556.7	530.3	498.9	463.4	429.9	401.6	387.4
37.5°	593.2	593.2	586.1	572.9	552.6	525.3	492.8	456.3	421.8	391.4	377.2
40°	586.1	586.1	579.0	564.8	544.5	516.1	483.7	447.2	411.7	380.3	366.1
42.5°	577.0	576.0	567.9	553.7	532.4	505.0	472.5	435.0	400.5	368.1	354.9
45°	563.8	562.8	555.7	541.5	519.2	491.8	459.4	422.9	388.4	355.9	342.7
47.5°	549.6	548.6	540.5	526.3	505.0	477.6	445.2	409.7	375.2	343.8	328.5
50°	531.4	531.4	523.2	509.0	487.7	460.4	427.9	393.4	360.0	328.5	315.4
52.5°	513.1	511.1	503.0	487.7	467.5	441.1	409.7	376.2	343.8	313.3	300.2
55°	489.8	486.7	479.6	465.4	445.2	418.8	389.4	356.9	326.5	297.1	283.9
57.5°	465.4	462.4	453.3	439.1	419.8	395.5	367.1	336.7	308.3	279.9	267.7
60°	434.0	434.0	424.9	410.7	392.4	369.1	343.8	315.4	288.0	261.6	249.5
62.5°	402.6	403.6	394.5	380.3	363.0	341.7	318.4	292.0	266.7	243.4	231.2
65°	370.1	370.1	361.0	347.8	332.6	313.3	291.0	267.7	244.4	223.1	211.9
67.5°	335.6	335.6	328.5	314.3	300.2	282.9	263.6	243.4	222.1	201.8	191.7
70°	301.2	300.2	294.1	280.9	267.7	252.5	235.3	218.0	198.7	180.5	171.4
72.5°	266.7	265.7	260.6	247.4	236.3	222.1	207.9	191.7	175.4	159.2	151.1
75°	232.2	230.2	225.1	212.9	202.8	190.6	176.4	165.3	151.1	136.9	129.8
77.5°	193.7	192.7	187.6	175.4	167.3	157.2	146.0	135.9	125.7	112.6	107.5
80°	149.1	147.0	144.0	133.9	128.8	120.7	112.6	105.5	97.3	88.2	83.2
82.5°	99.4	98.4	97.3	92.3	87.2	83.2	78.1	73.0	67.9	60.8	58.8
85°	53.7	54.8	53.7	50.7	47.7	45.6	44.6	41.6	39.5	34.5	32.4
87.5°	16.2	17.2	17.2	17.2	17.2	17.2	17.2	15.2	14.2	12.2	10.1
90°	9.1	9.1	9.1	8.1	8.1	6.1	5.1	3.0	2.0	0.0	0.0
92.5°	47.7	49.7	51.7	46.6	36.5	27.4	24.3	25.4	23.3	22.3	19.3
95°	235.3	234.2	226.1	195.7	143.0	94.3	76.1	73.0	65.9	61.9	55.8
97.5°	415.8	412.7	393.4	336.7	261.6	169.3	127.8	115.6	104.4	97.3	89.2
100°	576.0	571.9	542.5	469.5	363.0	242.4	177.5	154.1	138.9	126.8	118.6
102.5°	709.8	705.8	667.2	573.9	440.1	298.1	219.0	187.6	167.3	152.1	143.0
105°	820.4	817.3	768.6	656.1	498.9	340.7	251.5	214.0	190.6	171.4	162.2
107.5°	918.7	906.5	843.7	718.9	540.5	373.2	277.8	237.3	210.9	189.6	178.5
110°	983.6	971.4	900.5	759.5	566.8	398.5	302.2	257.6	229.2	204.8	192.7



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	1020.1	1012.0	932.9	780.8	581.0	414.7	320.4	274.8	244.4	219.0	206.9
115°	1034.3	1023.2	939.0	779.8	582.1	424.9	334.6	289.0	257.6	228.2	217.0
117.5°	1019.1	1006.9	920.7	760.5	572.9	427.9	343.8	297.1	263.6	235.3	223.1
120°	981.6	967.4	881.2	728.1	555.7	424.9	347.8	301.2	267.7	238.3	225.1
122.5°	919.7	906.5	823.4	681.4	529.3	415.8	343.8	299.1	265.7	235.3	223.1
125°	843.7	829.5	754.4	628.7	496.9	399.5	334.6	291.0	257.6	229.2	216.0
127.5°	755.5	740.2	679.4	568.9	458.3	375.2	318.4	276.8	244.4	218.0	205.8
130°	654.0	649.0	597.3	506.0	418.8	345.8	295.1	256.5	227.1	202.8	191.7
132.5°	569.9	554.7	514.1	442.1	372.1	312.3	267.7	233.2	205.8	184.6	174.4
135°	478.6	467.5	436.0	380.3	326.5	276.8	238.3	207.9	183.5	164.3	156.2
137.5°	398.5	392.4	366.1	326.5	281.9	243.4	209.9	182.5	161.2	145.0	137.9
140°	328.5	324.5	306.2	274.8	241.3	210.9	182.5	159.2	141.0	126.8	120.7
142.5°	270.7	267.7	254.5	231.2	206.9	182.5	158.2	139.9	122.7	111.5	106.5
145°	225.1	223.1	212.9	196.7	176.4	158.2	138.9	122.7	108.5	98.4	94.3
147.5°	188.6	187.6	180.5	169.3	154.1	137.9	122.7	108.5	96.3	88.2	84.2
150°	161.2	160.2	156.2	146.0	134.9	122.7	109.5	98.4	87.2	80.1	77.1
152.5°	139.9	138.9	135.9	128.8	120.7	110.5	99.4	90.2	81.1	74.0	72.0
155°	123.7	122.7	120.7	115.6	108.5	100.4	91.3	83.2	75.0	70.0	67.9
157.5°	110.5	110.5	108.5	104.4	98.4	92.3	85.2	78.1	71.0	66.9	64.9
160°	100.4	100.4	98.4	94.3	91.3	85.2	79.1	73.0	67.9	64.9	62.9
162.5°	91.3	91.3	89.2	87.2	84.2	79.1	75.0	70.0	65.9	62.9	60.8
165°	84.2	84.2	83.2	81.1	78.1	75.0	71.0	66.9	62.9	60.8	59.8
167.5°	77.1	78.1	77.1	75.0	73.0	70.0	66.9	63.9	61.9	59.8	58.8
170°	72.0	72.0	71.0	70.0	69.0	65.9	64.9	62.9	59.8	58.8	57.8
172.5°	66.9	66.9	65.9	65.9	64.9	63.9	61.9	60.8	58.8	57.8	57.8
175°	62.9	62.9	61.9	61.9	61.9	59.8	59.8	58.8	57.8	57.8	56.8
177.5°	59.8	59.8	59.8	58.8	58.8	58.8	58.8	57.8	56.8	56.8	55.8
180°	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8



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CANDELA DISTRIBUTION (continued):

	112.5°	135°	157.5°	180°
0°	450.2	450.2	450.2	450.2
2.5°	445.2	439.1	436.0	436.0
5°	438.1	427.9	421.8	419.8
7.5°	432.0	416.8	408.7	406.6
10°	423.9	406.6	395.5	391.4
12.5°	415.8	395.5	383.3	378.2
15°	406.6	385.3	371.1	366.1
17.5°	398.5	375.2	360.0	353.9
20°	389.4	365.1	348.8	342.7
22.5°	381.3	354.9	338.7	332.6
25°	372.1	344.8	328.5	322.5
27.5°	363.0	335.6	318.4	313.3
30°	352.9	325.5	309.3	304.2
32.5°	344.8	315.4	301.2	296.1
35°	334.6	306.2	292.0	288.0
37.5°	324.5	297.1	283.9	279.9
40°	313.3	288.0	275.8	272.8
42.5°	303.2	277.8	267.7	265.7
45°	292.0	267.7	259.6	257.6
47.5°	280.9	258.6	250.5	248.4
50°	268.7	248.4	240.3	238.3
52.5°	255.5	237.3	229.2	227.1
55°	243.4	226.1	218.0	217.0
57.5°	229.2	214.0	205.8	204.8
60°	215.0	200.8	193.7	192.7
62.5°	199.8	186.6	179.5	179.5
65°	184.6	172.4	165.3	165.3
67.5°	168.3	157.2	151.1	149.1
70°	152.1	141.0	132.8	131.8
72.5°	135.9	123.7	114.6	114.6
75°	116.6	104.4	97.3	97.3
77.5°	98.4	84.2	78.1	78.1
80°	77.1	61.9	53.7	45.6
82.5°	51.7	36.5	2.0	0.0
85°	26.4	2.0	0.0	0.0
87.5°	3.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0
92.5°	3.0	0.0	0.0	0.0
95°	38.5	3.0	1.0	0.0
97.5°	75.0	57.8	6.1	0.0
100°	105.5	94.3	96.3	96.3
102.5°	126.8	123.7	135.9	143.0
105°	143.0	146.0	164.3	174.4
107.5°	156.2	164.3	187.6	199.8
110°	168.3	177.5	205.8	220.0



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CANDELA DISTRIBUTION (continued):

	112.5°	135°	157.5°	180°
112.5°	178.5	186.6	219.0	235.3
115°	186.6	192.7	226.1	244.4
117.5°	191.7	196.7	229.2	247.4
120°	193.7	198.7	228.2	246.4
122.5°	191.7	196.7	223.1	240.3
125°	186.6	191.7	215.0	231.2
127.5°	178.5	183.5	204.8	218.0
130°	166.3	171.4	190.6	202.8
132.5°	153.1	158.2	175.4	184.6
135°	137.9	144.0	158.2	166.3
137.5°	122.7	128.8	141.0	148.0
140°	109.5	114.6	124.7	130.8
142.5°	97.3	102.4	110.5	115.6
145°	87.2	92.3	98.4	102.4
147.5°	79.1	84.2	89.2	92.3
150°	73.0	77.1	82.1	83.2
152.5°	69.0	72.0	75.0	77.1
155°	64.9	67.9	71.0	72.0
157.5°	61.9	64.9	65.9	67.9
160°	59.8	61.9	63.9	63.9
162.5°	58.8	59.8	60.8	61.9
165°	57.8	58.8	58.8	58.8
167.5°	56.8	56.8	56.8	56.8
170°	56.8	55.8	55.8	55.8
172.5°	55.8	55.8	54.8	55.8
175°	55.8	54.8	54.8	54.8
177.5°	55.8	55.8	55.8	55.8
180°	55.8	55.8	55.8	55.8

(END OF REPORT)