

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: P286864

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P286864
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (ITL87014-GONIOPHOTOMETRY)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: DWI-WA-30L835-1D-UNV-STD-W-WM-4
Description: DIVIDE 4' WALL MOUNTED DIRECT/INDIRECT LED LUMINAIRE
WAVESTREAM SPECULAR OPTIC, ASYMMETRIC
Light Source: (154) 3500K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2974.0 lumens
Efficiency: N/A
Efficacy: 128.7 lumens/watt
Spacing Criteria (0/90/45): 1.55 / 1.46 / 1.61
Luminous Opening: Rectangular (W 3.86' x L: 0.36' x H: 0')
CIE Type: General Diffuse

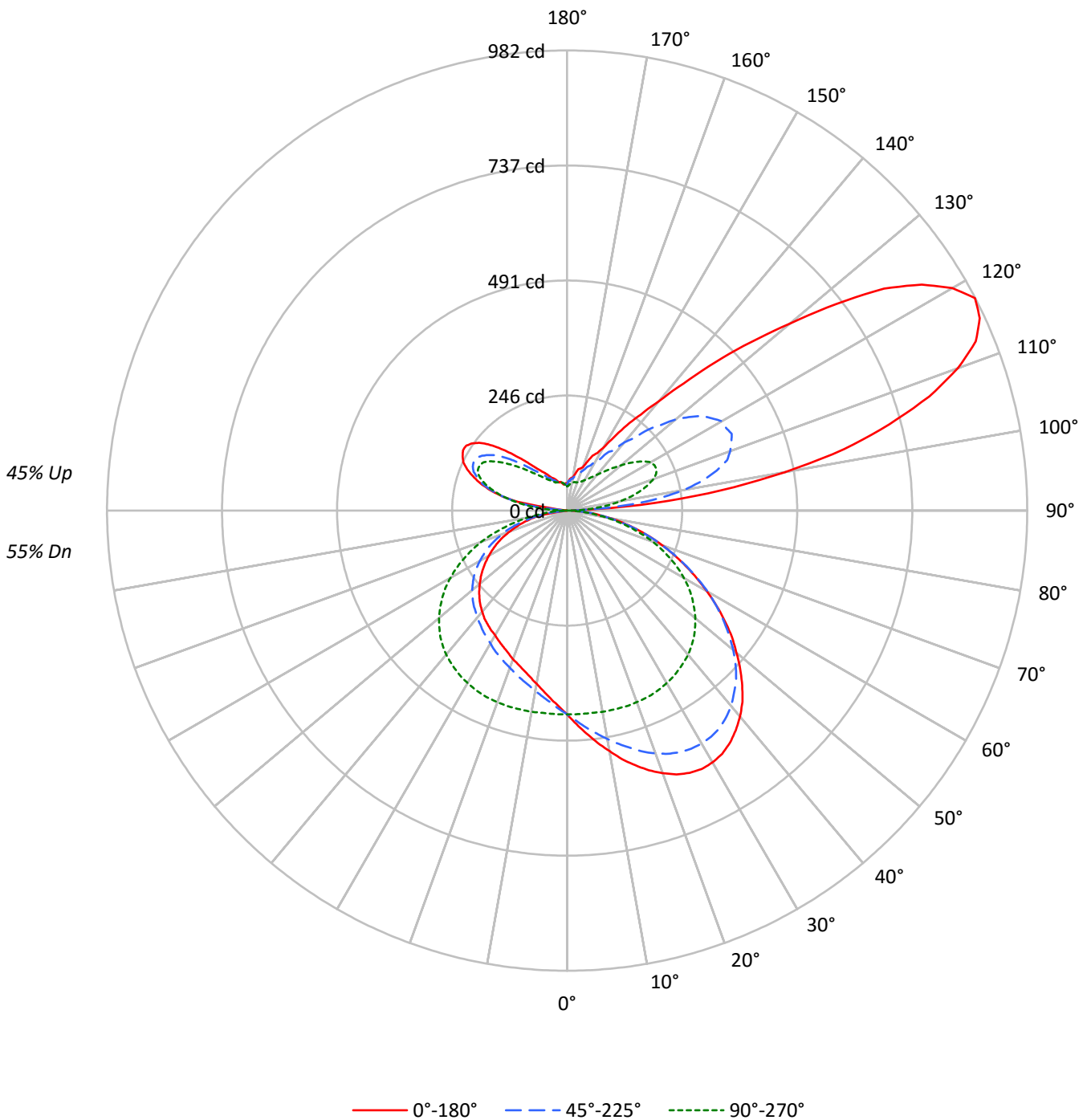
Input Watts (W): 23.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20			20			20			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	101	101	101	101	86	86	86	73	73	73	61	61	61	55
1	98	94	90	86	91	87	84	80	75	72	70	64	62	60	53	52	51	46
2	89	81	75	69	82	76	70	65	65	61	57	55	52	49	46	44	42	37
3	81	71	63	57	75	66	59	54	57	52	47	48	44	41	40	37	35	31
4	74	62	54	48	68	58	51	45	50	44	40	43	38	34	36	32	29	26
5	68	55	47	41	62	52	44	38	45	38	34	38	33	29	32	28	25	22
6	62	49	41	35	57	46	38	33	40	34	29	34	29	26	29	25	22	19
7	57	44	36	30	53	42	34	29	36	30	26	31	26	22	26	22	19	17
8	53	40	32	27	49	38	30	25	33	27	22	28	23	20	24	20	17	15
9	49	37	29	24	46	34	27	22	30	24	20	26	21	18	22	18	15	13
10	46	33	26	21	43	31	25	20	27	22	18	24	19	16	20	16	14	12

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°
0°	3323	3323	3323
5°	3663	3336	3087
10°	4043	3383	2911
15°	4451	3449	2799
20°	4848	3537	2745
25°	5206	3641	2710
30°	5475	3748	2711
35°	5646	3869	2762
40°	5724	4005	2811
45°	5708	4130	2860
50°	5604	4243	2893
55°	5470	4335	2932
60°	5253	4400	2944
65°	5042	4400	2970
70°	4802	4349	2899
75°	4519	4100	2783
80°	4149	3660	2543
85°	3646	3024	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	42.0	1.4
10°-20°	127.2	4.3
20°-30°	209.3	7.0
30°-40°	273.3	9.2
40°-50°	302.8	10.2
50°-60°	287.9	9.7
60°-70°	230.3	7.7
70°-80°	138.6	4.7
80°-90°	34.5	1.2
90°-100°	87.7	2.9
100°-110°	292.7	9.8
110°-120°	355.9	12.0
120°-130°	285.0	9.6
130°-140°	161.3	5.4
140°-150°	79.0	2.7
150°-160°	40.7	1.4
160°-170°	20.0	0.7
170°-180°	5.8	0.2
0°-30°	378.5	12.7
0°-40°	651.7	21.9
0°-60°	1242.5	41.8
0°-90°	1645.8	55.3
90°-120°	736.4	24.8
90°-150°	1261.7	42.4
90°-180°	1328.0	44.7
0°-180°	2974.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	435	435	435	435	435	
5°	478	464	435	411	403	47
15°	563	524	436	373	354	160
25°	618	569	432	343	322	285
35°	605	567	415	313	296	378
45°	528	510	382	283	265	407
55°	411	407	326	242	220	367
65°	279	281	243	185	164	276
75°	153	151	139	108	94	162
85°	42	40	34	3	0	44
90°	10	7	0	0	0	10
95°	189	123	61	6	0	210
105°	712	331	162	167	170	741
115°	972	387	210	222	244	946
125°	826	352	182	207	250	728
135°	449	244	123	142	175	354
145°	222	152	85	93	108	142
155°	130	103	68	71	77	59
165°	91	77	63	61	62	25
175°	68	63	56	57	58	7
180°	52	52	52	52	52	



TEST NUMBER: P286864

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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	435.0	435.0	435.0	435.0	435.0	435.0	435.0	435.0	435.0	435.0	435.0
2.5°	456.3	456.3	455.3	454.3	452.3	449.2	446.2	443.2	440.1	437.1	435.0
5°	477.6	477.6	475.6	473.6	469.5	464.4	458.4	453.3	445.2	439.1	435.0
7.5°	499.9	499.9	496.9	492.8	487.8	479.7	471.5	462.4	450.3	441.1	435.0
10°	521.2	521.2	518.2	514.1	506.0	494.9	483.7	470.5	456.3	443.2	436.1
12.5°	543.5	543.5	538.5	533.4	523.3	510.1	495.9	478.6	462.4	444.2	436.1
15°	562.8	562.8	558.8	552.7	540.5	524.3	507.0	485.7	466.5	446.2	436.1
17.5°	581.1	581.1	577.0	568.9	556.7	539.5	518.2	492.8	470.5	447.2	436.1
20°	596.3	596.3	592.2	584.1	570.9	551.7	527.3	501.0	473.6	448.2	435.0
22.5°	609.5	608.4	604.4	595.3	582.1	561.8	536.4	505.0	476.6	448.2	434.0
25°	617.6	616.6	612.5	604.4	589.2	568.9	541.5	508.1	477.6	448.2	432.0
27.5°	621.6	620.6	617.6	608.4	594.3	573.0	545.6	511.1	477.6	447.2	429.0
30°	620.6	620.6	616.6	609.5	595.3	574.0	546.6	511.1	476.6	444.2	424.9
32.5°	615.5	614.5	611.5	605.4	592.2	571.9	545.6	509.1	474.6	440.1	420.8
35°	605.4	605.4	603.4	597.3	586.1	566.9	539.5	504.0	469.5	434.0	414.8
37.5°	591.2	591.2	590.2	585.1	575.0	556.7	531.4	497.9	462.4	427.9	408.7
40°	574.0	575.0	573.0	568.9	560.8	544.6	521.2	488.8	454.3	419.8	401.6
42.5°	553.7	553.7	551.7	549.6	542.5	527.3	507.0	476.6	444.2	409.7	392.4
45°	528.3	528.3	527.3	526.3	520.2	510.1	490.8	462.4	432.0	398.5	382.3
47.5°	501.0	502.0	501.0	501.0	496.9	487.8	470.5	444.2	417.8	386.4	370.1
50°	471.5	473.6	472.6	473.6	469.5	462.4	448.2	425.9	401.6	372.2	357.0
52.5°	443.2	442.1	441.1	443.2	441.1	435.0	422.9	405.6	382.3	355.9	341.7
55°	410.7	409.7	410.7	412.7	410.7	406.6	397.5	381.3	362.0	338.7	325.5
57.5°	378.3	377.2	378.3	380.3	379.3	377.2	369.1	355.9	340.7	319.4	308.3
60°	343.8	344.8	345.8	346.8	348.8	346.8	338.7	329.6	317.4	299.2	288.0
62.5°	311.3	311.3	313.4	314.4	315.4	313.4	309.3	301.2	293.1	276.8	266.7
65°	278.9	278.9	279.9	280.9	282.9	280.9	277.9	272.8	265.7	252.5	243.4
67.5°	247.4	246.4	247.4	249.5	248.4	248.4	244.4	243.4	237.3	227.2	220.1
70°	215.0	214.0	215.0	215.0	216.0	215.0	214.0	213.0	207.9	202.8	194.7
72.5°	184.6	182.5	183.5	184.6	183.5	183.5	181.5	181.5	178.5	174.4	167.3
75°	153.1	152.1	152.1	152.1	152.1	151.1	148.1	150.1	149.1	146.0	138.9
77.5°	122.7	122.7	123.7	121.7	122.7	119.7	120.7	118.6	119.7	116.6	111.5
80°	94.3	93.3	93.3	93.3	93.3	91.3	90.3	89.2	91.3	88.2	83.2
82.5°	64.9	65.9	64.9	63.9	64.9	64.9	63.9	61.9	62.9	59.8	56.8
85°	41.6	41.6	41.6	39.5	39.5	39.5	40.6	39.5	38.5	36.5	34.5
87.5°	19.3	20.3	20.3	20.3	20.3	19.3	19.3	18.3	17.2	16.2	15.2
90°	10.1	10.1	9.1	9.1	8.1	7.1	6.1	4.1	3.0	1.0	0.0
92.5°	30.4	24.3	31.4	33.5	33.5	33.5	29.4	27.4	28.4	28.4	29.4
95°	188.6	180.5	186.6	178.5	157.2	122.7	82.1	65.9	62.9	59.8	60.8
97.5°	331.6	323.5	326.5	308.3	265.7	195.7	128.8	100.4	95.3	89.2	89.2
100°	471.5	465.5	458.4	432.0	362.0	253.5	167.3	131.8	125.7	117.6	115.6
102.5°	605.4	595.3	580.1	533.4	441.1	296.1	198.8	159.2	154.1	143.0	139.9
105°	711.9	702.8	686.5	614.5	495.9	330.6	223.1	184.6	179.5	165.3	162.3
107.5°	810.2	805.2	764.6	685.5	533.4	358.0	247.4	208.9	199.8	185.6	180.5
110°	887.3	879.2	838.6	733.2	559.8	370.1	270.8	231.2	214.0	201.8	195.7



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	944.1	938.0	877.2	755.5	560.8	379.3	283.9	245.4	223.1	213.0	205.9
115°	971.5	962.4	901.5	758.5	556.7	387.4	293.1	251.5	230.2	220.1	209.9
117.5°	981.6	971.5	888.3	737.2	536.4	382.3	303.2	256.6	233.2	221.1	209.9
120°	949.2	940.1	857.9	700.7	518.2	381.3	301.2	261.6	234.3	218.0	205.9
122.5°	897.5	886.3	806.2	656.1	483.7	366.1	293.1	253.5	229.2	208.9	195.7
125°	825.5	815.3	725.1	591.2	456.3	351.9	287.0	239.3	215.0	194.7	181.5
127.5°	724.1	718.0	645.0	534.4	411.7	327.5	264.7	227.2	195.7	179.5	166.3
130°	620.6	616.6	566.9	473.6	376.2	303.2	248.4	211.9	176.4	162.3	150.1
132.5°	531.4	528.3	479.7	405.6	332.6	269.7	223.1	186.6	162.3	145.0	135.9
135°	449.2	448.2	403.6	351.9	290.0	244.4	197.7	168.3	149.1	129.8	122.7
137.5°	367.1	367.1	343.8	302.2	257.6	208.9	180.5	156.2	134.9	116.6	109.5
140°	305.2	301.2	289.0	249.5	216.0	190.6	155.2	135.9	118.6	105.5	100.4
142.5°	258.6	254.5	234.3	215.0	189.6	161.2	147.0	121.7	105.5	95.3	92.3
145°	222.1	221.1	199.8	192.7	170.4	152.1	125.7	116.6	98.4	87.2	85.2
147.5°	184.6	184.6	179.5	161.2	144.0	129.8	120.7	102.4	94.3	81.1	79.1
150°	155.2	155.2	156.2	143.0	135.9	124.7	107.5	94.3	89.2	77.1	75.0
152.5°	137.9	138.9	131.8	134.9	119.7	108.5	99.4	93.3	81.1	73.0	71.0
155°	129.8	130.8	120.7	115.6	107.5	103.4	96.3	84.2	75.0	71.0	67.9
157.5°	112.6	114.6	115.6	103.4	105.5	94.3	84.2	77.1	72.0	70.0	64.9
160°	98.4	99.4	100.4	102.4	90.3	88.2	86.2	79.1	73.0	69.0	63.9
162.5°	94.3	93.3	90.3	90.3	88.2	84.2	75.0	74.0	72.0	67.9	62.9
165°	91.3	92.3	89.2	80.1	82.1	77.1	76.1	66.9	66.9	65.9	62.9
167.5°	80.1	81.1	82.1	81.1	73.0	75.0	70.0	69.0	62.9	64.9	61.9
170°	71.0	72.0	71.0	73.0	75.0	69.0	66.9	67.9	61.9	63.9	60.8
172.5°	71.0	70.0	69.0	65.9	64.9	69.0	66.9	61.9	62.9	61.9	58.8
175°	67.9	69.0	69.0	67.9	65.9	62.9	60.8	61.9	62.9	58.8	55.8
177.5°	61.9	62.9	61.9	62.9	62.9	63.9	63.9	62.9	58.8	54.8	52.7
180°	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7



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CANDELA DISTRIBUTION (continued):

	112.5°	135°	157.5°	180°
0°	435.0	435.0	435.0	435.0
2.5°	429.0	422.9	418.8	417.8
5°	421.9	410.7	404.6	402.6
7.5°	415.8	400.6	391.4	388.4
10°	409.7	390.4	379.3	375.2
12.5°	402.6	381.3	368.1	364.1
15°	397.5	373.2	359.0	353.9
17.5°	391.4	365.1	349.9	344.8
20°	385.4	357.0	341.7	337.7
22.5°	380.3	349.9	334.6	328.6
25°	374.2	342.8	326.5	321.5
27.5°	368.1	335.7	319.4	314.4
30°	362.0	327.5	312.3	307.3
32.5°	354.9	320.4	306.3	302.2
35°	348.8	313.4	300.2	296.1
37.5°	341.7	305.2	293.1	290.0
40°	333.6	298.1	286.0	281.9
42.5°	325.5	290.0	278.9	273.8
45°	316.4	282.9	270.8	264.7
47.5°	307.3	273.8	260.6	254.5
50°	296.1	264.7	249.5	243.4
52.5°	283.9	253.5	238.3	232.2
55°	271.8	242.4	226.1	220.1
57.5°	258.6	229.2	213.0	206.9
60°	243.4	215.0	199.8	192.7
62.5°	227.2	199.8	184.6	178.5
65°	210.9	184.6	169.4	164.3
67.5°	193.7	166.3	152.1	148.1
70°	172.4	148.1	133.9	129.8
72.5°	150.1	129.8	114.6	112.6
75°	127.8	107.5	96.3	94.3
77.5°	104.5	85.2	78.1	77.1
80°	80.1	63.9	58.8	57.8
82.5°	54.8	42.6	5.1	0.0
85°	30.4	3.0	1.0	0.0
87.5°	3.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0
92.5°	7.1	1.0	0.0	0.0
95°	53.7	6.1	1.0	0.0
97.5°	90.3	79.1	29.4	0.0
100°	119.7	113.6	110.5	106.5
102.5°	142.0	142.0	144.0	143.0
105°	160.2	167.3	169.4	170.4
107.5°	177.5	188.6	192.7	194.7
110°	191.7	202.8	213.0	214.0



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CATALOG NUMBER: DWI-WA-30L835-1D-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	112.5°	135°	157.5°	180°
112.5°	198.8	216.0	227.2	231.2
115°	201.8	222.1	239.3	244.4
117.5°	201.8	225.1	246.4	251.5
120°	199.8	224.1	248.4	256.6
122.5°	191.7	217.0	247.4	256.6
125°	178.5	206.9	238.3	249.5
127.5°	165.3	193.7	224.1	237.3
130°	152.1	177.5	208.9	220.1
132.5°	135.9	160.2	187.6	197.7
135°	121.7	142.0	166.3	175.4
137.5°	111.5	127.8	147.0	154.1
140°	101.4	113.6	130.8	135.9
142.5°	90.3	104.5	114.6	119.7
145°	84.2	93.3	104.5	107.5
147.5°	80.1	88.2	96.3	98.4
150°	74.0	80.1	87.2	91.3
152.5°	70.0	78.1	82.1	83.2
155°	69.0	71.0	78.1	77.1
157.5°	66.9	70.0	71.0	74.0
160°	61.9	64.9	67.9	70.0
162.5°	60.8	64.9	66.9	64.9
165°	61.9	60.8	61.9	61.9
167.5°	58.8	60.8	58.8	62.9
170°	56.8	56.8	59.8	58.8
172.5°	58.8	58.8	55.8	55.8
175°	58.8	56.8	55.8	57.8
177.5°	50.7	55.8	57.8	58.8
180°	51.7	51.7	51.7	51.7

(END OF REPORT)