

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: P286858

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P286858
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-30L830-1D-UNV-STD-W-WM-4
Description: DIVIDE 4' WALL MOUNTED DIRECT/INDIRECT LED LUMINAIRE
WAVESTREAM SPECULAR OPTIC, ASYMMETRIC
Light Source: (154) 3000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2832.4 lumens
Efficiency: N/A
Efficacy: 122.6 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

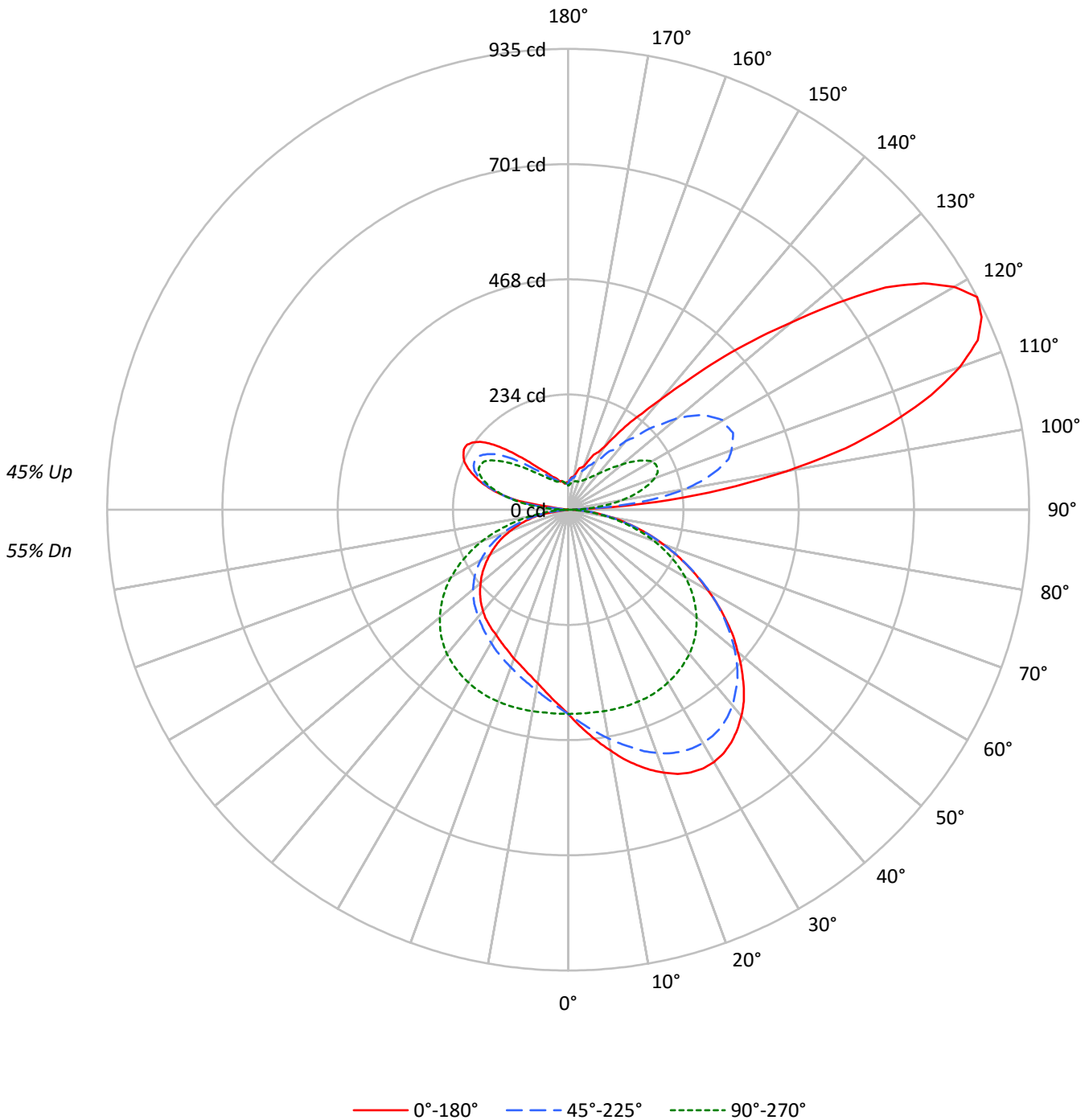
Input Watts (W): 23.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20	
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°	3165	3165	3165
5°	3489	3177	2940
10°	3851	3222	2772
15°	4239	3285	2666
20°	4617	3368	2615
25°	4958	3468	2581
30°	5214	3570	2581
35°	5378	3684	2630
40°	5451	3815	2678
45°	5437	3934	2724
50°	5338	4041	2755
55°	5209	4129	2792
60°	5002	4191	2804
65°	4801	4190	2829
70°	4572	4141	2761
75°	4304	3905	2651
80°	3951	3484	2424
85°	3471	2875	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	40.0	1.4
10°-20°	121.1	4.3
20°-30°	199.3	7.0
30°-40°	260.3	9.2
40°-50°	288.4	10.2
50°-60°	274.2	9.7
60°-70°	219.3	7.7
70°-80°	132.0	4.7
80°-90°	32.8	1.2
90°-100°	83.6	3.0
100°-110°	278.8	9.8
110°-120°	339.0	12.0
120°-130°	271.4	9.6
130°-140°	153.7	5.4
140°-150°	75.2	2.7
150°-160°	38.8	1.4
160°-170°	19.0	0.7
170°-180°	5.6	0.2
0°-30°	360.4	12.7
0°-40°	620.7	21.9
0°-60°	1183.3	41.8
0°-90°	1567.5	55.3
90°-120°	701.3	24.8
90°-150°	1201.6	42.4
90°-180°	1265.0	44.7
0°-180°	2832.4	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	414	414	414	414	414	
5°	455	442	414	391	383	45
15°	536	499	415	355	337	153
25°	588	542	411	326	306	271
35°	577	540	395	298	282	360
45°	503	486	364	270	252	387
55°	391	387	310	231	210	349
65°	266	268	232	176	156	263
75°	146	144	132	102	90	154
85°	40	38	33	3	0	42
90°	10	7	0	0	0	9
95°	180	117	58	6	0	200
105°	678	315	154	159	162	706
115°	925	369	200	212	233	901
125°	786	335	173	197	238	693
135°	428	233	117	135	167	337
145°	212	145	81	89	102	136
155°	124	98	65	68	73	57
165°	87	73	60	58	59	24
175°	65	60	53	54	55	6
180°	49	49	49	49	49	



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	414.3	414.3	414.3	414.3	414.3	414.3	414.3	414.3	414.3	414.3	414.3
2.5°	434.6	434.6	433.6	432.7	430.7	427.8	424.9	422.1	419.2	416.3	414.3
5°	454.9	454.9	453.0	451.0	447.2	442.3	436.5	431.7	424.0	418.2	414.3
7.5°	476.1	476.1	473.2	469.4	464.5	456.8	449.1	440.4	428.8	420.1	414.3
10°	496.4	496.4	493.5	489.7	481.9	471.3	460.7	448.1	434.6	422.1	415.3
12.5°	517.7	517.7	512.8	508.0	498.3	485.8	472.3	455.9	440.4	423.0	415.3
15°	536.0	536.0	532.2	526.4	514.8	499.3	482.9	462.6	444.3	424.9	415.3
17.5°	553.4	553.4	549.5	541.8	530.2	513.8	493.5	469.4	448.1	425.9	415.3
20°	567.9	567.9	564.0	556.3	543.7	525.4	502.2	477.1	451.0	426.9	414.3
22.5°	580.4	579.5	575.6	566.9	554.4	535.0	510.9	481.0	453.9	426.9	413.4
25°	588.2	587.2	583.3	575.6	561.1	541.8	515.7	483.9	454.9	426.9	411.4
27.5°	592.0	591.1	588.2	579.5	566.0	545.7	519.6	486.8	454.9	425.9	408.5
30°	591.1	591.1	587.2	580.4	566.9	546.6	520.6	486.8	453.9	423.0	404.7
32.5°	586.2	585.3	582.4	576.6	564.0	544.7	519.6	484.8	452.0	419.2	400.8
35°	576.6	576.6	574.6	568.9	558.2	539.9	513.8	480.0	447.2	413.4	395.0
37.5°	563.1	563.1	562.1	557.3	547.6	530.2	506.1	474.2	440.4	407.6	389.2
40°	546.6	547.6	545.7	541.8	534.1	518.6	496.4	465.5	432.7	399.8	382.5
42.5°	527.3	527.3	525.4	523.5	516.7	502.2	482.9	453.9	423.0	390.2	373.8
45°	503.2	503.2	502.2	501.2	495.5	485.8	467.4	440.4	411.4	379.6	364.1
47.5°	477.1	478.1	477.1	477.1	473.2	464.5	448.1	423.0	397.9	368.0	352.5
50°	449.1	451.0	450.1	451.0	447.2	440.4	426.9	405.6	382.5	354.4	340.0
52.5°	422.1	421.1	420.1	422.1	420.1	414.3	402.7	386.3	364.1	339.0	325.5
55°	391.1	390.2	391.1	393.1	391.1	387.3	378.6	363.1	344.8	322.6	310.0
57.5°	360.2	359.3	360.2	362.2	361.2	359.3	351.5	339.0	324.5	304.2	293.6
60°	327.4	328.4	329.3	330.3	332.2	330.3	322.6	313.9	302.3	284.9	274.3
62.5°	296.5	296.5	298.4	299.4	300.4	298.4	294.6	286.8	279.1	263.7	254.0
65°	265.6	265.6	266.6	267.5	269.5	267.5	264.6	259.8	253.0	240.5	231.8
67.5°	235.7	234.7	235.7	237.6	236.6	236.6	232.8	231.8	226.0	216.3	209.6
70°	204.7	203.8	204.7	204.7	205.7	204.7	203.8	202.8	198.0	193.2	185.4
72.5°	175.8	173.8	174.8	175.8	174.8	174.8	172.9	172.9	170.0	166.1	159.4
75°	145.8	144.9	144.9	144.9	144.9	143.9	141.0	142.9	142.0	139.1	132.3
77.5°	116.9	116.9	117.8	115.9	116.9	114.0	114.9	113.0	114.0	111.1	106.2
80°	89.8	88.9	88.9	88.9	88.9	86.9	86.0	85.0	86.9	84.0	79.2
82.5°	61.8	62.8	61.8	60.8	61.8	61.8	60.8	58.9	59.9	57.0	54.1
85°	39.6	39.6	39.6	37.7	37.7	37.7	38.6	37.7	36.7	34.8	32.8
87.5°	18.4	19.3	19.3	19.3	19.3	18.4	18.4	17.4	16.4	15.5	14.5
90°	9.7	9.7	8.7	8.7	7.7	6.8	5.8	3.9	2.9	1.0	0.0
92.5°	29.0	23.2	29.9	31.9	31.9	31.9	28.0	26.1	27.0	27.0	28.0
95°	179.6	171.9	177.7	170.0	149.7	116.9	78.2	62.8	59.9	57.0	57.9
97.5°	315.8	308.1	311.0	293.6	253.0	186.4	122.7	95.6	90.8	85.0	85.0
100°	449.1	443.3	436.5	411.4	344.8	241.4	159.4	125.6	119.8	112.0	110.1
102.5°	576.6	566.9	552.4	508.0	420.1	282.0	189.3	151.6	146.8	136.2	133.3
105°	678.0	669.3	653.8	585.3	472.3	314.8	212.5	175.8	170.9	157.4	154.5
107.5°	771.7	766.8	728.2	652.9	508.0	340.9	235.7	199.0	190.3	176.7	171.9
110°	845.1	837.3	798.7	698.3	533.1	352.5	257.9	220.2	203.8	192.2	186.4



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	899.2	893.4	835.4	719.5	534.1	361.2	270.4	233.7	212.5	202.8	196.1
115°	925.2	916.5	858.6	722.4	530.2	368.9	279.1	239.5	219.2	209.6	199.9
117.5°	934.9	925.2	846.0	702.1	510.9	364.1	288.8	244.3	222.1	210.5	199.9
120°	904.0	895.3	817.1	667.4	493.5	363.1	286.8	249.2	223.1	207.6	196.1
122.5°	854.7	844.1	767.8	624.9	460.7	348.7	279.1	241.4	218.3	199.0	186.4
125°	786.2	776.5	690.5	563.1	434.6	335.1	273.3	227.9	204.7	185.4	172.9
127.5°	689.6	683.8	614.2	509.0	392.1	312.0	252.1	216.3	186.4	170.9	158.4
130°	591.1	587.2	539.9	451.0	358.3	288.8	236.6	201.9	168.0	154.5	142.9
132.5°	506.1	503.2	456.8	386.3	316.8	256.9	212.5	177.7	154.5	138.1	129.4
135°	427.8	426.9	384.4	335.1	276.2	232.8	188.3	160.3	142.0	123.6	116.9
137.5°	349.6	349.6	327.4	287.8	245.3	199.0	171.9	148.7	128.5	111.1	104.3
140°	290.7	286.8	275.3	237.6	205.7	181.6	147.8	129.4	113.0	100.4	95.6
142.5°	246.3	242.4	223.1	204.7	180.6	153.6	140.0	115.9	100.4	90.8	87.9
145°	211.5	210.5	190.3	183.5	162.3	144.9	119.8	111.1	93.7	83.1	81.1
147.5°	175.8	175.8	170.9	153.6	137.1	123.6	114.9	97.5	89.8	77.3	75.3
150°	147.8	147.8	148.7	136.2	129.4	118.8	102.4	89.8	85.0	73.4	71.5
152.5°	131.3	132.3	125.6	128.5	114.0	103.3	94.6	88.9	77.3	69.5	67.6
155°	123.6	124.6	114.9	110.1	102.4	98.5	91.8	80.2	71.5	67.6	64.7
157.5°	107.2	109.1	110.1	98.5	100.4	89.8	80.2	73.4	68.6	66.6	61.8
160°	93.7	94.6	95.6	97.5	86.0	84.0	82.1	75.3	69.5	65.7	60.8
162.5°	89.8	88.9	86.0	86.0	84.0	80.2	71.5	70.5	68.6	64.7	59.9
165°	86.9	87.9	85.0	76.3	78.2	73.4	72.4	63.7	63.7	62.8	59.9
167.5°	76.3	77.3	78.2	77.3	69.5	71.5	66.6	65.7	59.9	61.8	58.9
170°	67.6	68.6	67.6	69.5	71.5	65.7	63.7	64.7	58.9	60.8	57.9
172.5°	67.6	66.6	65.7	62.8	61.8	65.7	63.7	58.9	59.9	58.9	56.0
175°	64.7	65.7	65.7	64.7	62.8	59.9	57.9	58.9	59.9	56.0	53.1
177.5°	58.9	59.9	58.9	59.9	59.9	60.8	60.8	59.9	56.0	52.2	50.2
180°	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3



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CANDELA DISTRIBUTION (continued):

	112.5°	135°	157.5°	180°
0°	414.3	414.3	414.3	414.3
2.5°	408.5	402.7	398.9	397.9
5°	401.8	391.1	385.4	383.4
7.5°	396.0	381.5	372.8	369.9
10°	390.2	371.8	361.2	357.3
12.5°	383.4	363.1	350.6	346.7
15°	378.6	355.4	341.9	337.1
17.5°	372.8	347.7	333.2	328.4
20°	367.0	340.0	325.5	321.6
22.5°	362.2	333.2	318.7	312.9
25°	356.4	326.4	311.0	306.2
27.5°	350.6	319.7	304.2	299.4
30°	344.8	312.0	297.5	292.6
32.5°	338.0	305.2	291.7	287.8
35°	332.2	298.4	285.9	282.0
37.5°	325.5	290.7	279.1	276.2
40°	317.7	283.9	272.4	268.5
42.5°	310.0	276.2	265.6	260.8
45°	301.3	269.5	257.9	252.1
47.5°	292.6	260.8	248.2	242.4
50°	282.0	252.1	237.6	231.8
52.5°	270.4	241.4	227.0	221.2
55°	258.8	230.8	215.4	209.6
57.5°	246.3	218.3	202.8	197.0
60°	231.8	204.7	190.3	183.5
62.5°	216.3	190.3	175.8	170.0
65°	200.9	175.8	161.3	156.5
67.5°	184.5	158.4	144.9	141.0
70°	164.2	141.0	127.5	123.6
72.5°	142.9	123.6	109.1	107.2
75°	121.7	102.4	91.8	89.8
77.5°	99.5	81.1	74.4	73.4
80°	76.3	60.8	56.0	55.1
82.5°	52.2	40.6	4.8	0.0
85°	29.0	2.9	1.0	0.0
87.5°	2.9	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0
92.5°	6.8	1.0	0.0	0.0
95°	51.2	5.8	1.0	0.0
97.5°	86.0	75.3	28.0	0.0
100°	114.0	108.2	105.3	101.4
102.5°	135.2	135.2	137.1	136.2
105°	152.6	159.4	161.3	162.3
107.5°	169.0	179.6	183.5	185.4
110°	182.5	193.2	202.8	203.8



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CANDELA DISTRIBUTION (continued):

	112.5°	135°	157.5°	180°
112.5°	189.3	205.7	216.3	220.2
115°	192.2	211.5	227.9	232.8
117.5°	192.2	214.4	234.7	239.5
120°	190.3	213.4	236.6	244.3
122.5°	182.5	206.7	235.7	244.3
125°	170.0	197.0	227.0	237.6
127.5°	157.4	184.5	213.4	226.0
130°	144.9	169.0	199.0	209.6
132.5°	129.4	152.6	178.7	188.3
135°	115.9	135.2	158.4	167.1
137.5°	106.2	121.7	140.0	146.8
140°	96.6	108.2	124.6	129.4
142.5°	86.0	99.5	109.1	114.0
145°	80.2	88.9	99.5	102.4
147.5°	76.3	84.0	91.8	93.7
150°	70.5	76.3	83.1	86.9
152.5°	66.6	74.4	78.2	79.2
155°	65.7	67.6	74.4	73.4
157.5°	63.7	66.6	67.6	70.5
160°	58.9	61.8	64.7	66.6
162.5°	57.9	61.8	63.7	61.8
165°	58.9	57.9	58.9	58.9
167.5°	56.0	57.9	56.0	59.9
170°	54.1	54.1	57.0	56.0
172.5°	56.0	56.0	53.1	53.1
175°	56.0	54.1	53.1	55.1
177.5°	48.3	53.1	55.1	56.0
180°	49.3	49.3	49.3	49.3

(END OF REPORT)