

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: P213031

Luminaire Tested: **DSI-WS-30L835-1D-UNV-4-STD-FC-W**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P213031  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P35730)  
Test Lab: INNOVATION CENTER-P3  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: DSI-WS-30L835-1D-UNV-4-STD-FC-W  
Description: DIVIDE 4' SUSPENDED WAVESTREAM LED LUMINAIRE  
WaveStream SPECULAR OPTIC WITH FROSTED COVER, LIGHT LEVEL 2.  
Light Source: (308) 3500K CCT, 80 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2958.0 lumens  
Efficiency: N/A  
Efficacy: 132.1 lumens/watt  
Spacing Criteria (0/90/45): 1.41 / 1.45 / 1.53  
Luminous Opening: Rectangular (W 0.83' x L: 3.83' x H: 0')  
CIE Type: Semi-Direct

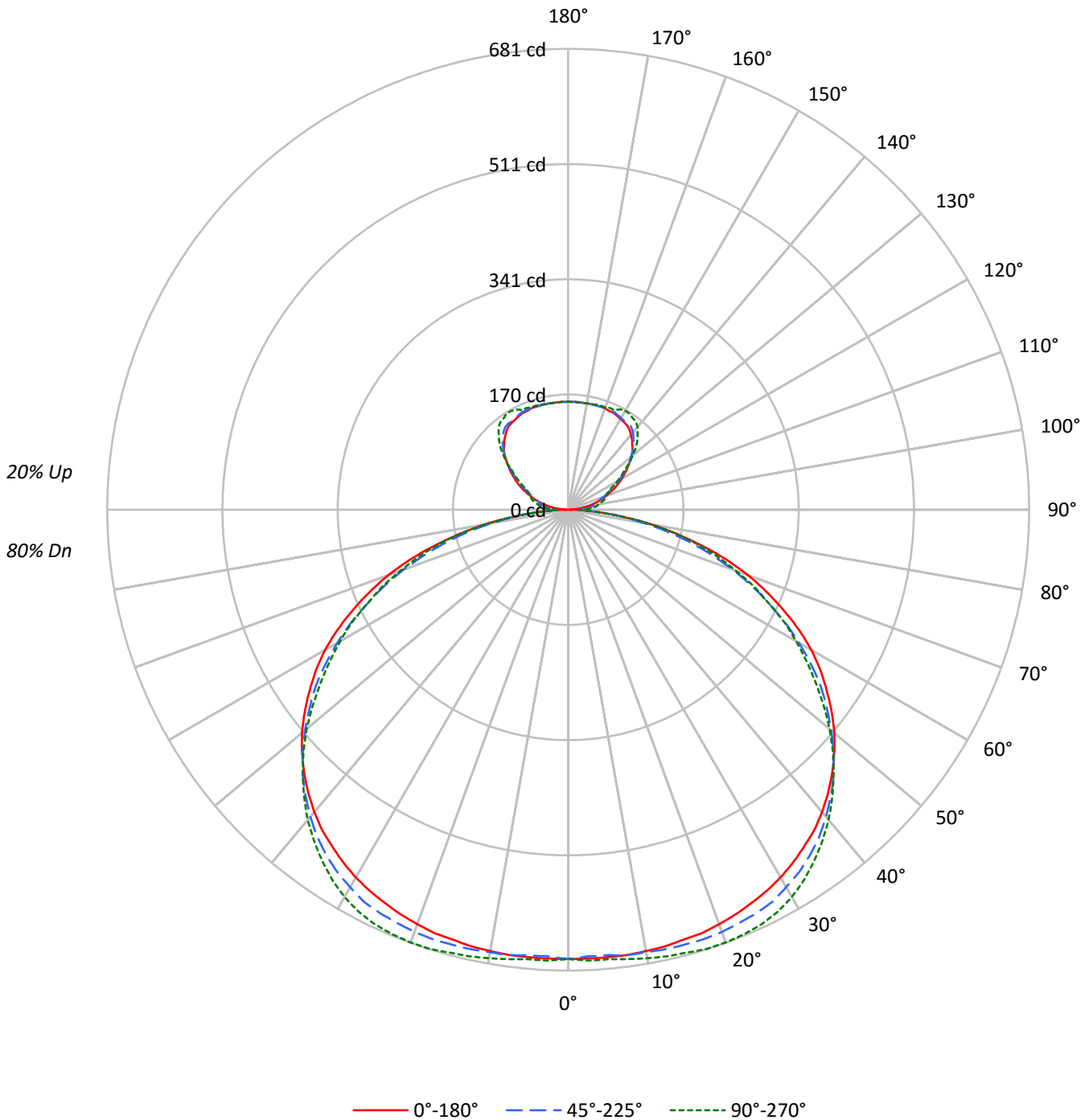
Input Watts (W): 22.4  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	114	114	114	114	109	109	109	109	100	100	100	92	92	92	84	84	84	80
1	104	99	94	90	99	95	91	87	87	84	81	80	77	75	73	71	69	66
2	94	85	78	73	89	82	76	70	75	70	66	69	65	61	63	60	57	54
3	85	74	66	60	81	71	64	58	66	59	54	60	55	51	55	51	48	45
4	78	65	57	50	74	63	55	48	58	51	46	53	48	43	49	44	40	38
5	71	58	49	42	67	56	47	41	51	44	39	47	41	37	44	39	35	32
6	65	52	43	37	62	50	42	36	46	39	34	43	37	32	39	34	30	28
7	60	47	38	32	57	45	37	31	42	35	30	39	33	28	36	31	27	24
8	56	43	34	28	53	41	33	28	38	31	26	35	29	25	33	27	24	21
9	52	39	31	25	50	37	30	25	35	28	23	32	26	22	30	25	21	19
10	49	36	28	23	47	34	27	22	32	26	21	30	24	20	28	23	19	17

**AVERAGE LUMINANCE (cd/sqm):**

	0°	45°	90°
0°	2237	2237	2237
5°	2246	2235	2256
10°	2266	2272	2303
15°	2295	2321	2363
20°	2337	2381	2441
25°	2384	2446	2513
30°	2441	2506	2571
35°	2499	2562	2606
40°	2566	2606	2633
45°	2628	2642	2642
50°	2692	2660	2644
55°	2740	2677	2624
60°	2795	2652	2621
65°	2798	2604	2604
70°	2784	2544	2589
75°	2651	2433	2571
80°	2418	2210	2387
85°	1879	1879	1763



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	63.5	2.1
10°-20°	189.1	6.4
20°-30°	304.0	10.3
30°-40°	389.3	13.2
40°-50°	427.3	14.4
50°-60°	407.5	13.8
60°-70°	330.5	11.2
70°-80°	204.8	6.9
80°-90°	59.0	2.0
90°-100°	30.1	1.0
100°-110°	50.5	1.7
110°-120°	70.7	2.4
120°-130°	93.4	3.2
130°-140°	105.8	3.6
140°-150°	98.0	3.3
150°-160°	73.9	2.5
160°-170°	45.3	1.5
170°-180°	15.2	0.5
0°-30°	556.6	18.8
0°-40°	945.9	32.0
0°-60°	1780.7	60.2
0°-90°	2375.0	80.3
90°-120°	151.3	5.1
90°-150°	448.6	15.2
90°-180°	583.0	19.7
0°-180°	2958.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	664	664	664	664	664	
5°	664	664	661	667	667	63
15°	658	661	665	674	678	186
25°	641	647	658	671	676	296
35°	608	614	623	630	634	381
45°	551	554	554	556	554	425
55°	466	463	456	450	447	417
65°	351	343	327	328	327	347
75°	204	194	187	196	198	215
85°	49	47	49	49	46	55
90°	2	11	15	18	18	4
95°	14	23	30	36	38	14
105°	44	44	46	53	55	47
115°	76	74	70	67	67	75
125°	106	105	103	103	102	95
135°	134	132	137	143	144	103
145°	152	150	155	162	166	95
155°	158	158	160	161	162	73
165°	160	160	160	161	161	45
175°	160	160	160	160	160	15
180°	160	160	160	160	160	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	663.9	663.9	663.9	663.9	663.9
2.5°	663.9	663.9	660.8	665.4	666.9
5°	663.9	663.9	660.8	666.9	666.9
7.5°	663.9	663.9	663.9	668.4	669.9
10°	662.3	663.9	663.9	671.4	673.0
12.5°	660.8	663.9	665.4	673.0	676.0
15°	657.8	660.8	665.4	674.5	677.5
17.5°	656.3	659.3	665.4	677.5	680.6
20°	651.7	656.3	663.9	676.0	680.6
22.5°	647.1	651.7	660.8	674.5	679.0
25°	641.1	647.1	657.8	671.4	676.0
27.5°	635.0	641.1	653.2	665.4	669.9
30°	627.4	633.5	644.1	656.3	660.8
32.5°	618.3	624.4	635.0	645.6	648.7
35°	607.6	613.7	622.8	630.4	633.5
37.5°	597.0	601.6	609.2	615.2	616.8
40°	583.3	587.9	592.5	597.0	598.5
42.5°	568.1	572.7	574.2	577.3	577.3
45°	551.4	554.5	554.5	556.0	554.5
47.5°	533.2	534.7	531.7	531.7	530.2
50°	513.5	513.5	507.4	505.9	504.3
52.5°	490.7	489.2	481.6	478.5	475.5
55°	466.4	463.3	455.7	449.7	446.6
57.5°	442.1	437.5	425.4	419.3	417.8
60°	414.7	408.6	393.5	388.9	388.9
62.5°	384.3	376.7	361.5	358.5	360.0
65°	350.9	343.3	326.6	328.1	326.6
67.5°	317.5	308.4	293.2	296.2	297.7
70°	282.6	273.4	258.2	262.8	262.8
72.5°	244.6	233.9	221.8	230.9	232.4
75°	203.6	194.4	186.9	196.0	197.5
77.5°	162.5	156.5	150.4	161.0	162.5
80°	124.6	117.0	113.9	123.0	123.0
82.5°	82.0	80.5	82.0	86.6	85.1
85°	48.6	47.1	48.6	48.6	45.6
87.5°	21.3	21.3	19.7	16.7	18.2
90°	1.5	10.6	15.2	18.2	18.2
92.5°	7.6	18.2	25.8	28.9	28.9
95°	13.7	22.8	30.4	36.5	38.0
97.5°	21.3	25.8	34.9	41.0	42.5
100°	28.9	28.9	39.5	44.1	45.6
102.5°	36.5	36.5	42.5	48.6	50.1
105°	44.1	44.1	45.6	53.2	54.7
107.5°	53.2	51.6	48.6	54.7	57.7
110°	59.2	59.2	56.2	57.7	59.2



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	66.8	66.8	62.3	60.8	62.3
115°	76.0	74.4	69.9	66.8	66.8
117.5°	83.6	82.0	79.0	76.0	74.4
120°	91.1	89.6	86.6	85.1	83.6
122.5°	98.7	98.7	95.7	94.2	92.7
125°	106.3	104.8	103.3	103.3	101.8
127.5°	113.9	112.4	113.9	113.9	113.9
130°	121.5	118.5	121.5	123.0	124.6
132.5°	129.1	126.1	129.1	133.7	135.2
135°	133.7	132.2	136.7	142.8	144.3
137.5°	139.8	138.2	142.8	150.4	151.9
140°	144.3	144.3	148.9	156.5	159.5
142.5°	148.9	147.4	153.4	159.5	164.1
145°	151.9	150.4	154.9	162.5	165.6
147.5°	153.4	153.4	154.9	165.6	168.6
150°	154.9	154.9	156.5	165.6	168.6
152.5°	156.5	156.5	158.0	162.5	167.1
155°	158.0	158.0	159.5	161.0	162.5
157.5°	158.0	158.0	159.5	161.0	162.5
160°	159.5	159.5	159.5	161.0	161.0
162.5°	159.5	159.5	159.5	161.0	161.0
165°	159.5	159.5	159.5	161.0	161.0
167.5°	159.5	159.5	159.5	159.5	159.5
170°	159.5	159.5	159.5	159.5	159.5
172.5°	159.5	159.5	159.5	159.5	159.5
175°	159.5	159.5	159.5	159.5	159.5
177.5°	159.5	159.5	159.5	159.5	159.5
180°	159.5	159.5	159.5	159.5	159.5

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