

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: P213101

Luminaire Tested: **DSI-WD-30L835-1D-UNV-4-STD-SC-W**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P213101  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P35735)  
Test Lab: INNOVATION CENTER-P3  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: DSI-WD-30L835-1D-UNV-4-STD-SC-W  
Description: DIVIDE 4' SUSPENDED WAVESTREAM LED LUMINAIRE  
WaveStream DIFFUSE OPTIC WITH SOLID COVER, LIGHT LEVEL 2.  
Light Source: (308) 3500K CCT, 80 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3003.0 lumens  
Efficiency: N/A  
Efficacy: 134.1 lumens/watt  
Spacing Criteria (0/90/45): 1.31 / 1.38 / 1.47  
Luminous Opening: Rectangular (W 0.83' x L: 3.83' x H: 0')  
CIE Type: Direct

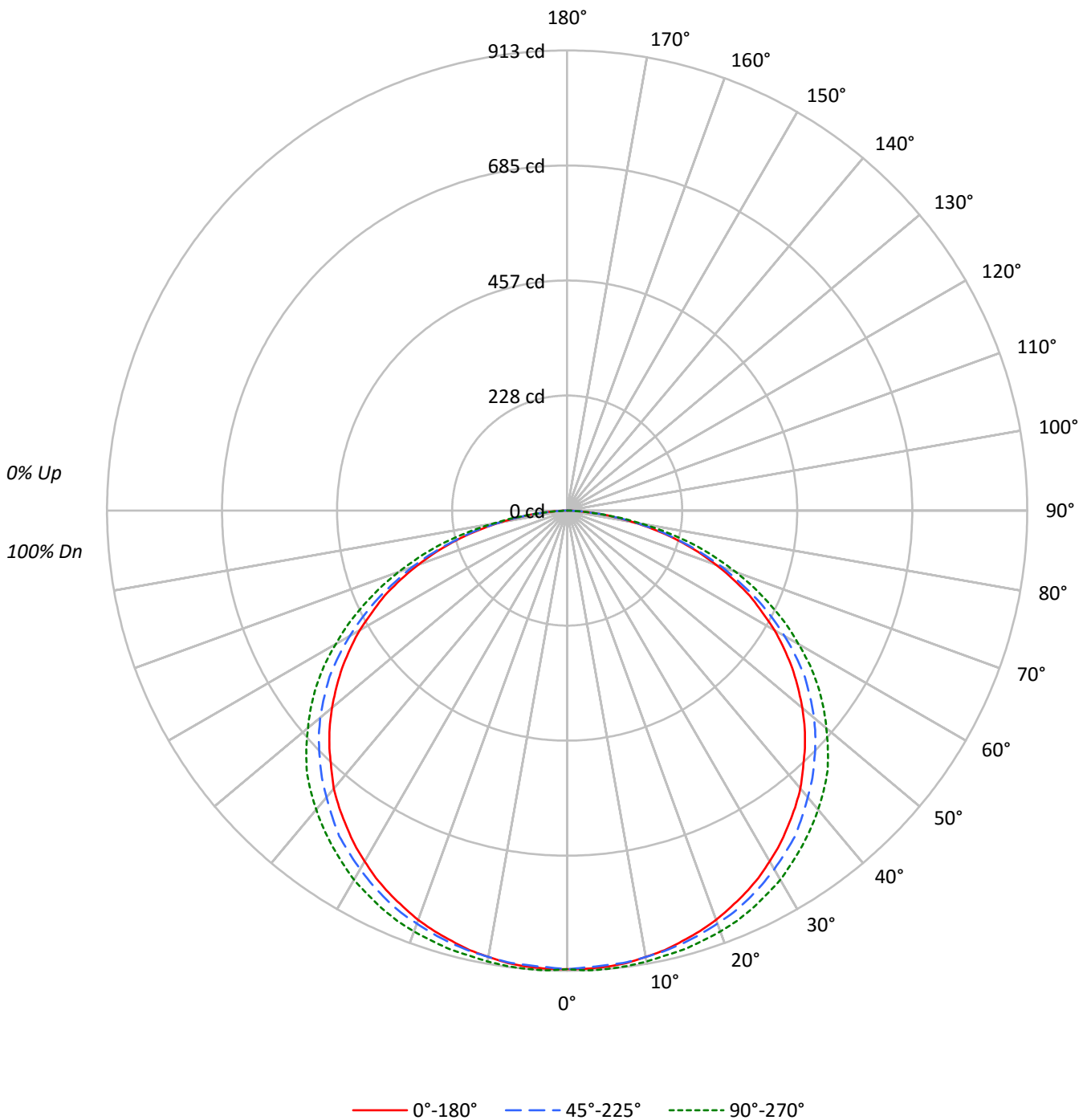
Input Watts (W): 22.4  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	108	103	99	95	105	101	97	93	97	93	90	93	90	87	89	87	85	83
2	98	89	82	76	95	87	81	75	84	78	73	80	76	72	77	73	70	68
3	89	78	69	62	86	76	68	62	73	66	61	70	64	60	68	63	58	56
4	81	68	59	52	79	67	58	52	65	57	51	62	56	50	60	54	50	47
5	74	61	51	45	72	60	51	44	58	50	44	56	49	43	54	48	43	41
6	68	55	45	39	66	54	45	38	52	44	38	50	43	38	48	42	37	35
7	63	49	40	34	61	48	40	34	47	39	33	45	38	33	44	38	33	31
8	59	45	36	30	57	44	36	30	43	35	30	42	35	30	40	34	29	27
9	55	41	33	27	53	40	32	27	39	32	27	38	31	27	37	31	26	24
10	51	38	30	24	50	37	29	24	36	29	24	35	29	24	34	28	24	22

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

	0°	45°	90°
0°	3066	3066	3066
5°	3073	3062	3088
10°	3077	3077	3108
15°	3084	3100	3142
20°	3100	3127	3187
25°	3112	3163	3236
30°	3127	3198	3292
35°	3143	3243	3343
40°	3167	3267	3408
45°	3178	3308	3482
50°	3194	3352	3520
55°	3204	3382	3569
60°	3204	3358	3573
65°	3185	3306	3561
70°	3098	3218	3502
75°	2967	3006	3382
80°	2594	2653	2948
85°	1937	1937	1821



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	86.6	2.9
10°-20°	252.0	8.4
20°-30°	393.4	13.1
30°-40°	493.4	16.4
40°-50°	537.8	17.9
50°-60°	513.8	17.1
60°-70°	414.0	13.8
70°-80°	250.8	8.4
80°-90°	61.3	2.0
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	732.0	24.4
0°-40°	1225.4	40.8
0°-60°	2277.0	75.8
0°-90°	3003.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3003.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	910	910	910	910	910	
5°	908	910	905	912	913	86
15°	884	887	889	898	901	250
25°	837	840	851	864	870	386
35°	764	772	788	805	813	479
45°	667	678	694	718	731	515
55°	545	558	576	597	608	487
65°	400	406	415	434	447	393
75°	228	231	231	249	260	239
85°	50	49	50	49	47	61
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	909.9	909.9	909.9	909.9	909.9
2.5°	909.9	909.9	906.9	911.5	913.0
5°	908.4	909.9	905.4	911.5	913.0
7.5°	905.4	905.4	903.9	908.4	911.5
10°	899.3	900.8	899.3	905.4	908.4
12.5°	893.2	894.8	894.8	902.4	903.9
15°	884.1	887.2	888.7	897.8	900.8
17.5°	875.0	878.0	881.1	891.7	894.8
20°	864.4	868.9	872.0	884.1	888.7
22.5°	850.7	855.3	862.9	875.0	881.1
25°	837.0	840.1	850.7	864.4	870.5
27.5°	821.8	826.4	837.0	852.2	858.3
30°	803.6	811.2	821.8	838.6	846.1
32.5°	785.4	793.0	805.1	821.8	829.4
35°	764.1	771.7	788.4	805.1	812.7
37.5°	742.8	750.4	765.6	785.4	794.5
40°	720.1	727.7	742.8	765.6	774.7
42.5°	692.7	703.3	720.1	742.8	753.5
45°	666.9	677.5	694.2	718.5	730.7
47.5°	639.5	650.2	668.4	692.7	701.8
50°	609.2	619.8	639.5	662.3	671.4
52.5°	577.3	590.9	607.6	630.4	641.1
55°	545.4	557.5	575.7	597.0	607.6
57.5°	510.4	519.5	537.8	559.0	571.2
60°	475.5	483.1	498.3	519.5	530.2
62.5°	436.0	445.1	457.3	478.5	490.7
65°	399.5	405.6	414.7	434.5	446.6
67.5°	357.0	361.5	369.1	391.9	402.6
70°	314.5	320.5	326.6	346.4	355.5
72.5°	271.9	276.5	279.5	296.2	308.4
75°	227.9	230.9	230.9	249.1	259.8
77.5°	180.8	182.3	186.9	199.0	205.1
80°	133.7	138.2	136.7	145.8	151.9
82.5°	89.6	89.6	89.6	94.2	97.2
85°	50.1	48.6	50.1	48.6	47.1
87.5°	16.7	19.7	13.7	10.6	9.1
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)