

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: P213096

Luminaire Tested: **DSI-WD-30L830-1D-UNV-4-STD-SC-W**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P213096  
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-30L830-1D-UNV-4-STD-SC-W  
Description: DIVIDE 4' SUSPENDED WAVESTREAM LED LUMINAIRE  
WaveStream DIFFUSE OPTIC WITH SOLID COVER, LIGHT LEVEL 2.  
Light Source: (308) 3000K CCT, 80 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2867.2 lumens  
Efficiency: N/A  
Efficacy: 128.0 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

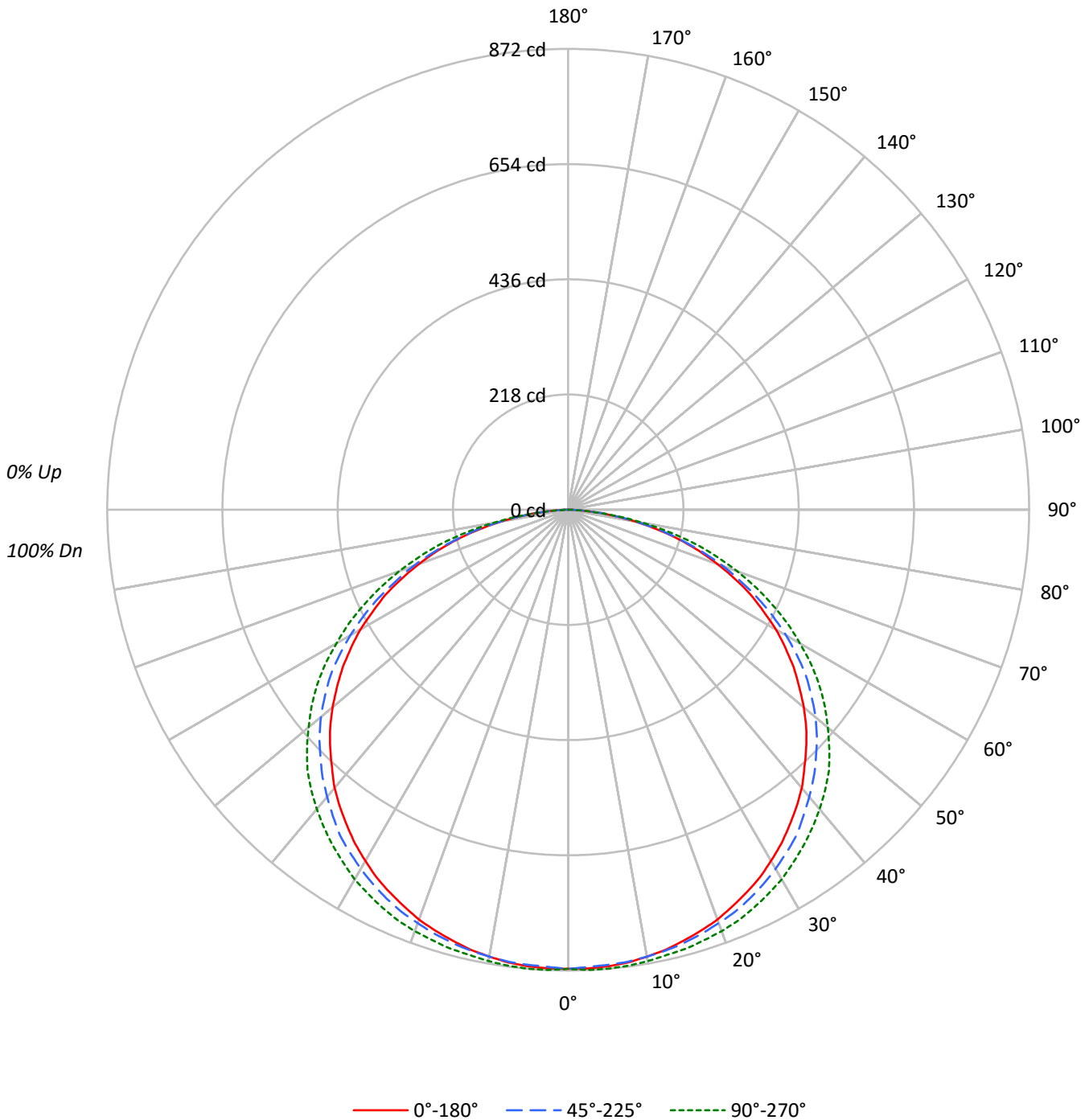
Input Watts (W): 22.4  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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### Luminous Intensity Polar Plot





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**COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:**

RF	20				20				20			20				20			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	50	30	10
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100	100	
1	108	103	99	95	105	101	97	93	97	93	90	93	90	87	89	87	85	83	83	
2	98	89	82	76	95	87	81	75	84	78	73	80	76	72	77	73	70	68	68	
3	89	78	69	62	86	76	68	62	73	66	61	70	64	60	68	63	58	56	56	
4	81	68	59	52	79	67	58	52	65	57	51	62	56	50	60	54	50	47	47	
5	74	61	51	45	72	60	51	44	58	50	44	56	49	43	54	48	43	41	41	
6	68	55	45	39	66	54	45	38	52	44	38	50	43	38	48	42	37	35	35	
7	63	49	40	34	61	48	40	34	47	39	33	45	38	33	44	38	33	31	31	
8	59	45	36	30	57	44	36	30	43	35	30	42	35	30	40	34	29	27	27	
9	55	41	33	27	53	40	32	27	39	32	27	38	31	27	37	31	26	24	24	
10	51	38	30	24	50	37	29	24	36	29	24	35	29	24	34	28	24	22	22	

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

	0°	45°	90°
0°	2927	2927	2927
5°	2934	2924	2948
10°	2938	2938	2968
15°	2945	2960	3000
20°	2959	2985	3043
25°	2971	3020	3090
30°	2985	3053	3143
35°	3001	3096	3192
40°	3024	3120	3254
45°	3034	3158	3324
50°	3049	3201	3361
55°	3059	3229	3408
60°	3060	3206	3411
65°	3041	3157	3400
70°	2958	3072	3344
75°	2833	2871	3229
80°	2476	2532	2814
85°	1852	1852	1740



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	82.6	2.9
10°-20°	240.6	8.4
20°-30°	375.6	13.1
30°-40°	471.1	16.4
40°-50°	513.4	17.9
50°-60°	490.6	17.1
60°-70°	395.3	13.8
70°-80°	239.5	8.4
80°-90°	58.5	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°	698.9	24.4
0°-40°	1169.9	40.8
0°-60°	2173.9	75.8
0°-90°	2867.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2867.2	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	869	869	869	869	869	
5°	867	869	864	870	872	83
15°	844	847	848	857	860	239
25°	799	802	812	825	831	369
35°	730	737	753	769	776	457
45°	637	647	663	686	698	491
55°	521	532	550	570	580	465
65°	381	387	396	415	426	375
75°	218	220	220	238	248	228
85°	48	46	48	46	45	58
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	868.8	868.8	868.8	868.8	868.8
2.5°	868.8	868.8	865.9	870.2	871.7
5°	867.3	868.8	864.4	870.2	871.7
7.5°	864.4	864.4	863.0	867.3	870.2
10°	858.6	860.1	858.6	864.4	867.3
12.5°	852.8	854.3	854.3	861.5	863.0
15°	844.1	847.0	848.5	857.2	860.1
17.5°	835.4	838.3	841.2	851.4	854.3
20°	825.3	829.6	832.5	844.1	848.5
22.5°	812.2	816.5	823.8	835.4	841.2
25°	799.1	802.0	812.2	825.3	831.1
27.5°	784.6	789.0	799.1	813.6	819.4
30°	767.2	774.5	784.6	800.6	807.8
32.5°	749.8	757.1	768.7	784.6	791.9
35°	729.5	736.8	752.7	768.7	775.9
37.5°	709.2	716.5	731.0	749.8	758.5
40°	687.5	694.7	709.2	731.0	739.7
42.5°	661.4	671.5	687.5	709.2	719.4
45°	636.7	646.9	662.8	686.0	697.6
47.5°	610.6	620.8	638.2	661.4	670.1
50°	581.6	591.7	610.6	632.4	641.1
52.5°	551.1	564.2	580.1	601.9	612.0
55°	520.7	532.3	549.7	570.0	580.1
57.5°	487.3	496.0	513.4	533.7	545.3
60°	454.0	461.2	475.7	496.0	506.2
62.5°	416.3	425.0	436.6	456.9	468.5
65°	381.4	387.2	395.9	414.8	426.4
67.5°	340.8	345.2	352.4	374.2	384.3
70°	300.2	306.0	311.8	330.7	339.4
72.5°	259.6	264.0	266.9	282.8	294.4
75°	217.6	220.5	220.5	237.9	248.0
77.5°	172.6	174.0	178.4	190.0	195.8
80°	127.6	132.0	130.5	139.2	145.0
82.5°	85.6	85.6	85.6	89.9	92.8
85°	47.9	46.4	47.9	46.4	45.0
87.5°	16.0	18.9	13.1	10.2	8.7
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)