

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: P213106

Luminaire Tested: **DSI-WD-30L840-1D-UNV-4-STD-SC-W**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P213106  
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-30L840-1D-UNV-4-STD-SC-W  
Description: DIVIDE 4' SUSPENDED WAVESTREAM LED LUMINAIRE  
WaveStream DIFFUSE OPTIC WITH SOLID COVER, LIGHT LEVEL 2.  
Light Source: (308) 4000K CCT, 80 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3039.2 lumens  
Efficiency: N/A  
Efficacy: 135.7 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

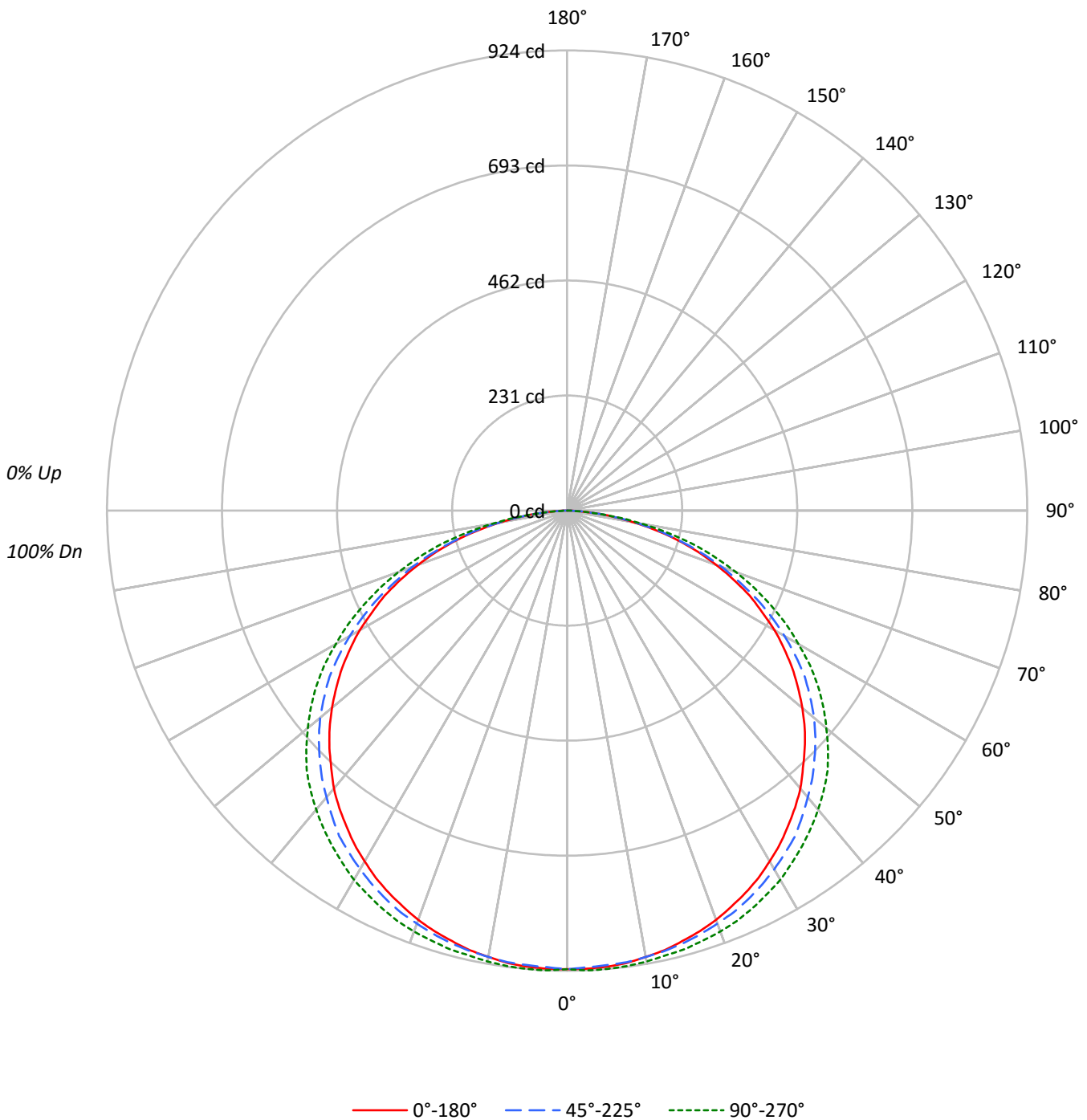
Input Watts (W): 22.4  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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°	3103	3103	3103
5°	3109	3099	3125
10°	3114	3114	3145
15°	3121	3138	3180
20°	3137	3164	3225
25°	3149	3201	3275
30°	3164	3236	3332
35°	3181	3282	3383
40°	3205	3307	3449
45°	3216	3348	3524
50°	3232	3393	3562
55°	3242	3423	3612
60°	3243	3399	3616
65°	3224	3346	3604
70°	3135	3256	3544
75°	3002	3043	3423
80°	2625	2686	2982
85°	1960	1960	1844



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	87.6	2.9
10°-20°	255.1	8.4
20°-30°	398.1	13.1
30°-40°	499.3	16.4
40°-50°	544.2	17.9
50°-60°	520.0	17.1
60°-70°	419.0	13.8
70°-80°	253.8	8.4
80°-90°	62.0	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°	740.8	24.4
0°-40°	1240.1	40.8
0°-60°	2304.4	75.8
0°-90°	3039.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3039.2	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	921	921	921	921	921	
5°	919	921	916	922	924	87
15°	895	898	899	909	912	253
25°	847	850	861	875	881	391
35°	773	781	798	815	822	484
45°	675	686	703	727	740	521
55°	552	564	583	604	615	493
65°	404	410	420	440	452	398
75°	231	234	234	252	263	241
85°	51	49	51	49	48	61
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	920.9	920.9	920.9	920.9	920.9
2.5°	920.9	920.9	917.8	922.4	924.0
5°	919.3	920.9	916.3	922.4	924.0
7.5°	916.3	916.3	914.7	919.3	922.4
10°	910.1	911.7	910.1	916.3	919.3
12.5°	904.0	905.5	905.5	913.2	914.7
15°	894.8	897.8	899.4	908.6	911.7
17.5°	885.5	888.6	891.7	902.4	905.5
20°	874.8	879.4	882.5	894.8	899.4
22.5°	860.9	865.5	873.2	885.5	891.7
25°	847.1	850.2	860.9	874.8	880.9
27.5°	831.7	836.3	847.1	862.5	868.6
30°	813.3	821.0	831.7	848.6	856.3
32.5°	794.8	802.5	814.8	831.7	839.4
35°	773.3	781.0	797.9	814.8	822.5
37.5°	751.8	759.5	774.8	794.8	804.0
40°	728.7	736.4	751.8	774.8	784.1
42.5°	701.0	711.8	728.7	751.8	762.5
45°	674.9	685.7	702.6	727.2	739.5
47.5°	647.2	658.0	676.4	701.0	710.3
50°	616.5	627.2	647.2	670.3	679.5
52.5°	584.2	598.0	614.9	638.0	648.8
55°	551.9	564.2	582.7	604.2	614.9
57.5°	516.6	525.8	544.2	565.8	578.1
60°	481.2	488.9	504.3	525.8	536.5
62.5°	441.2	450.5	462.7	484.3	496.6
65°	404.3	410.5	419.7	439.7	452.0
67.5°	361.3	365.9	373.6	396.6	407.4
70°	318.2	324.4	330.5	350.5	359.7
72.5°	275.2	279.8	282.9	299.8	312.1
75°	230.6	233.7	233.7	252.1	262.9
77.5°	182.9	184.5	189.1	201.4	207.5
80°	135.3	139.9	138.4	147.6	153.7
82.5°	90.7	90.7	90.7	95.3	98.4
85°	50.7	49.2	50.7	49.2	47.7
87.5°	16.9	20.0	13.8	10.8	9.2
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)