

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: P189174

Luminaire Tested: **DRI-WS-4L40-UNV-22-T1-STD**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P189174  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P34832)  
Test Lab: INNOVATION CENTER-P3  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: DRI-WS-4L40-UNV-22-T1-STD  
Description: DIVIDE RECESSED 2x2 LED LUMINAIRE, WaveStream SPECULAR OPTIC  
Light Source: (168) 4000K CCT, 80 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3530.9 lumens  
Efficiency: N/A  
Efficacy: 122.2 lumens/watt  
Spacing Criteria (0/90/45): 1.37 / 1.43 / 1.5  
Luminous Opening: Rectangular (W 1.79' x L: 1.79' x H: 0')  
CIE Type: Direct

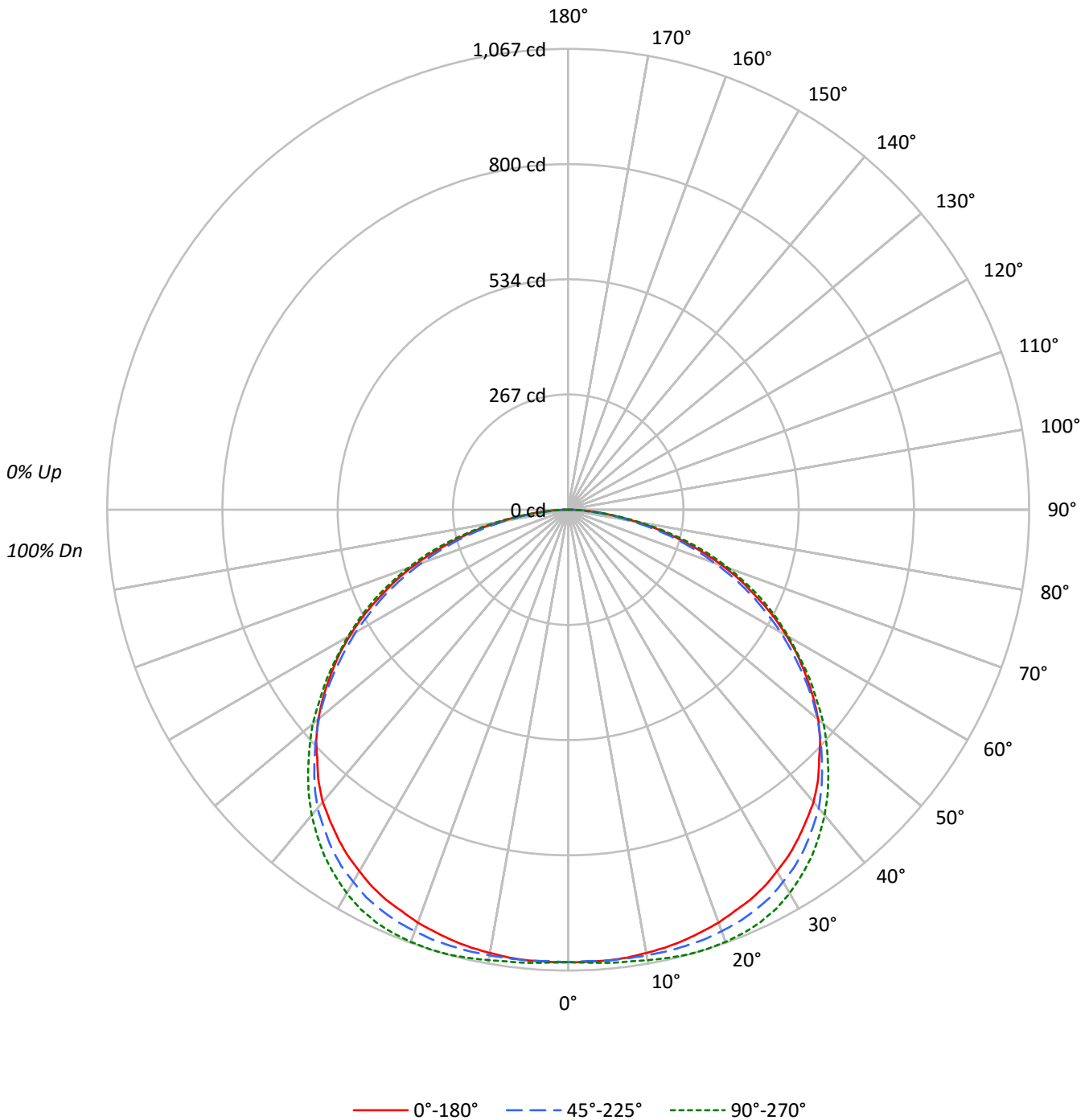
Input Watts (W): 28.9  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	106	101	97	93	97	93	90	93	90	88	89	87	85	83
2	98	89	82	76	95	88	81	75	84	78	74	81	76	72	78	74	70	68
3	89	78	70	63	86	76	69	62	73	67	61	71	65	60	68	63	59	57
4	81	69	60	53	79	67	59	52	65	57	52	63	56	51	60	55	50	48
5	74	61	52	45	72	60	51	45	58	50	44	56	49	44	54	48	43	41
6	69	55	46	39	67	54	45	39	52	44	38	50	43	38	49	43	38	36
7	63	50	41	34	62	49	40	34	47	39	34	46	39	34	44	38	33	31
8	59	45	36	30	57	44	36	30	43	35	30	42	35	30	41	34	30	28
9	55	41	33	27	54	41	33	27	40	32	27	38	32	27	37	31	27	25
10	52	38	30	25	50	37	30	24	36	29	24	36	29	24	35	29	24	22

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

	0°	45°	90°
0°	3513	3513	3513
5°	3527	3527	3546
10°	3548	3568	3606
15°	3585	3631	3703
20°	3631	3705	3800
25°	3688	3786	3897
30°	3743	3852	3969
35°	3802	3910	4019
40°	3867	3950	4041
45°	3894	3939	4037
50°	3940	3930	4028
55°	3929	3874	3984
60°	3912	3811	3950
65°	3835	3715	3939
70°	3739	3535	3869
75°	3473	3302	3694
80°	3099	2808	3244
85°	2616	2104	2251



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	100.1	2.8
10°-20°	296.6	8.4
20°-30°	472.3	13.4
30°-40°	597.3	16.9
40°-50°	643.5	18.2
50°-60°	598.2	16.9
60°-70°	472.3	13.4
70°-80°	279.7	7.9
80°-90°	70.8	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°	869.0	24.6
0°-40°	1466.3	41.5
0°-60°	2708.0	76.7
0°-90°	3530.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3530.9	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1048	1048	1048	1048	1048	
5°	1048	1046	1048	1052	1053	100
15°	1033	1036	1046	1061	1067	292
25°	997	1002	1023	1044	1053	460
35°	929	936	955	974	982	582
45°	821	825	831	844	851	635
55°	672	664	663	672	682	601
65°	483	470	468	485	496	479
75°	268	257	255	274	285	286
85°	68	60	55	57	58	78
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1047.8	1047.8	1047.8	1047.8	1047.8
2.5°	1047.8	1047.8	1045.9	1047.8	1049.7
5°	1047.8	1045.9	1047.8	1051.6	1053.4
7.5°	1045.9	1045.9	1047.8	1051.6	1055.3
10°	1042.1	1042.1	1047.8	1055.3	1059.1
12.5°	1038.3	1040.2	1047.8	1057.2	1062.9
15°	1032.7	1036.4	1045.9	1061.0	1066.7
17.5°	1025.1	1030.8	1044.0	1059.1	1066.7
20°	1017.6	1023.2	1038.3	1057.2	1064.8
22.5°	1006.2	1013.8	1032.7	1051.6	1061.0
25°	996.8	1002.5	1023.2	1044.0	1053.4
27.5°	983.6	991.1	1011.9	1032.7	1042.1
30°	966.6	976.0	994.9	1015.7	1025.1
32.5°	949.6	957.2	977.9	996.8	1004.4
35°	928.8	936.4	955.3	974.1	981.7
37.5°	906.2	913.7	928.8	945.8	953.4
40°	883.5	887.3	902.4	915.6	923.2
42.5°	855.2	857.1	868.4	883.5	889.2
45°	821.2	825.0	830.7	843.9	851.4
47.5°	791.0	789.1	792.9	806.1	811.8
50°	755.2	749.5	753.3	762.7	772.1
52.5°	715.5	708.0	709.8	717.4	724.9
55°	672.1	664.5	662.6	672.1	681.5
57.5°	630.6	621.1	615.5	626.8	634.3
60°	583.4	572.0	568.3	581.5	589.0
62.5°	536.2	522.9	517.3	532.4	543.7
65°	483.3	470.1	468.2	485.2	496.5
67.5°	434.2	421.0	415.3	430.4	445.5
70°	381.4	364.4	360.6	381.4	394.6
72.5°	326.6	311.5	307.7	330.4	341.7
75°	268.1	256.8	254.9	273.7	285.1
77.5°	217.1	200.1	200.1	219.0	226.5
80°	160.5	149.1	145.4	160.5	168.0
82.5°	109.5	101.9	98.2	103.8	113.3
85°	68.0	60.4	54.7	56.6	58.5
87.5°	30.2	24.5	18.9	15.1	17.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)