

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: P189111

Luminaire Tested: **DRI-WS-2L30-UNV-22-T1-STD**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P189111  
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-2L30-UNV-22-T1-STD  
Description: DIVIDE RECESSED 2x2 LED LUMINAIRE, WaveStream SPECULAR OPTIC  
Light Source: (168) 3000K CCT, 80 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

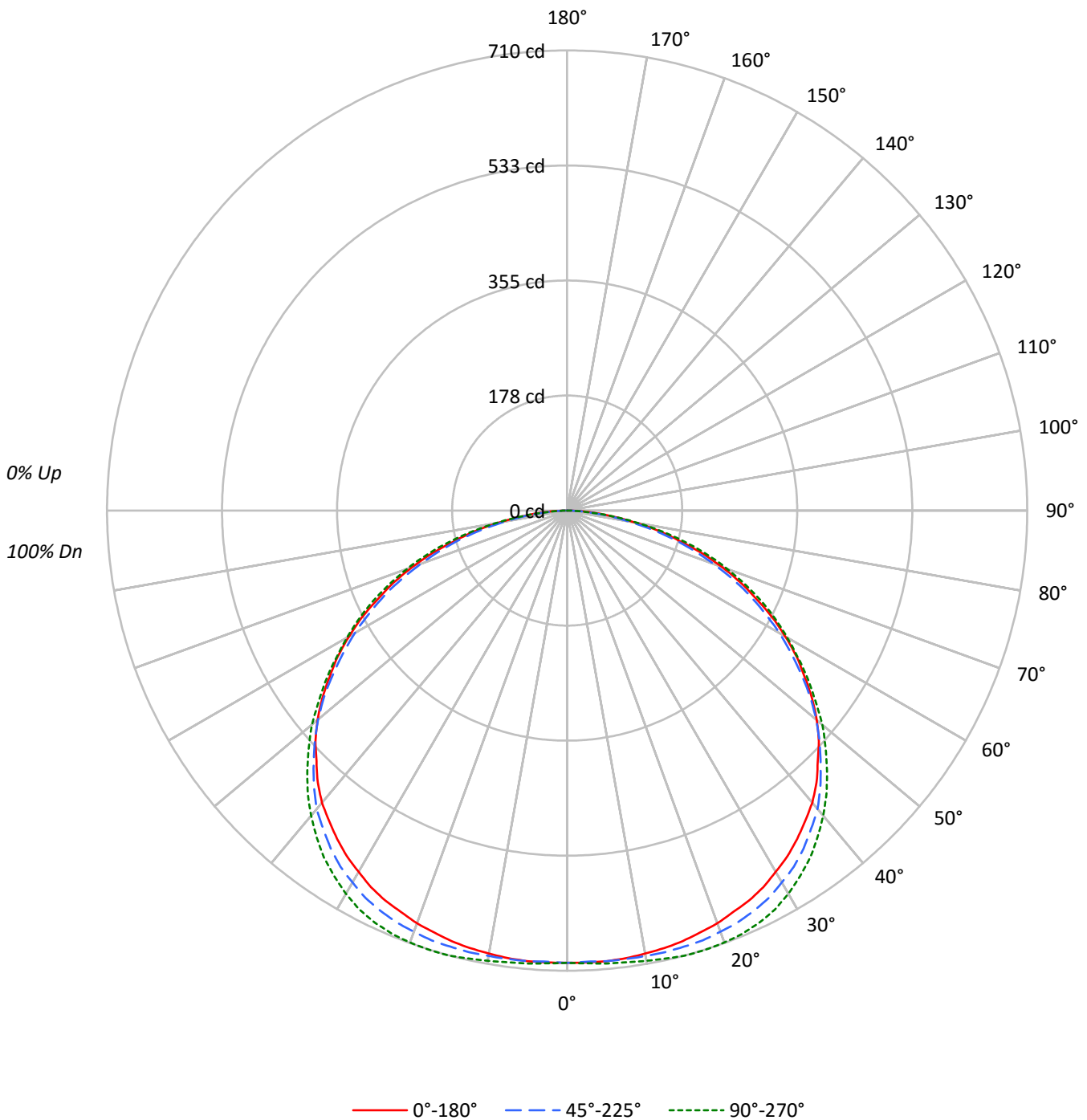
Lumens per Lamp: N/A  
Luminaire Lumens: 2351.6 lumens  
Efficiency: N/A  
Efficacy: 117.6 lumens/watt  
Spacing Criteria (0/90/45): 1.37 / 1.43 / 1.5  
Luminous Opening: Rectangular (W 1.79' x L: 1.79' x H: 0')  
CIE Type: Direct

Input Watts (W): 20  
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°	2340	2340	2340
5°	2349	2349	2362
10°	2363	2376	2402
15°	2388	2418	2466
20°	2418	2468	2530
25°	2456	2521	2596
30°	2492	2566	2643
35°	2532	2604	2676
40°	2576	2631	2691
45°	2593	2623	2689
50°	2623	2617	2682
55°	2617	2580	2654
60°	2605	2538	2631
65°	2554	2474	2624
70°	2490	2354	2576
75°	2313	2199	2460
80°	2064	1869	2161
85°	1743	1404	1500



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	66.7	2.8
10°-20°	197.5	8.4
20°-30°	314.5	13.4
30°-40°	397.8	16.9
40°-50°	428.5	18.2
50°-60°	398.4	16.9
60°-70°	314.6	13.4
70°-80°	186.3	7.9
80°-90°	47.2	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°	578.7	24.6
0°-40°	976.6	41.5
0°-60°	1803.5	76.7
0°-90°	2351.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2351.6	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	698	698	698	698	698	
5°	698	697	698	700	702	66
15°	688	690	697	707	710	194
25°	664	668	682	695	702	306
35°	619	624	636	649	654	387
45°	547	549	553	562	567	423
55°	448	443	441	448	454	400
65°	322	313	312	323	331	319
75°	178	171	170	182	190	190
85°	45	40	36	38	39	52
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	697.8	697.8	697.8	697.8	697.8
2.5°	697.8	697.8	696.6	697.8	699.1
5°	697.8	696.6	697.8	700.3	701.6
7.5°	696.6	696.6	697.8	700.3	702.8
10°	694.0	694.0	697.8	702.8	705.4
12.5°	691.5	692.8	697.8	704.1	707.9
15°	687.8	690.3	696.6	706.6	710.4
17.5°	682.7	686.5	695.3	705.4	710.4
20°	677.7	681.5	691.5	704.1	709.1
22.5°	670.2	675.2	687.8	700.3	706.6
25°	663.9	667.6	681.5	695.3	701.6
27.5°	655.1	660.1	673.9	687.8	694.0
30°	643.7	650.0	662.6	676.4	682.7
32.5°	632.4	637.5	651.3	663.9	668.9
35°	618.6	623.6	636.2	648.8	653.8
37.5°	603.5	608.5	618.6	629.9	634.9
40°	588.4	590.9	601.0	609.8	614.8
42.5°	569.6	570.8	578.4	588.4	592.2
45°	546.9	549.4	553.2	562.0	567.1
47.5°	526.8	525.6	528.1	536.9	540.6
50°	502.9	499.2	501.7	508.0	514.2
52.5°	476.5	471.5	472.8	477.8	482.8
55°	447.6	442.6	441.3	447.6	453.9
57.5°	419.9	413.7	409.9	417.4	422.5
60°	388.5	381.0	378.5	387.3	392.3
62.5°	357.1	348.3	344.5	354.6	362.1
65°	321.9	313.1	311.8	323.1	330.7
67.5°	289.2	280.4	276.6	286.7	296.7
70°	254.0	242.7	240.1	254.0	262.8
72.5°	217.5	207.5	204.9	220.0	227.6
75°	178.5	171.0	169.7	182.3	189.9
77.5°	144.6	133.3	133.3	145.8	150.9
80°	106.9	99.3	96.8	106.9	111.9
82.5°	72.9	67.9	65.4	69.2	75.4
85°	45.3	40.2	36.5	37.7	39.0
87.5°	20.1	16.3	12.6	10.1	11.3
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)