

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: P189113

Luminaire Tested: **DRI-WS-4L30-UNV-22-T1-STD**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P189113  
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-4L30-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**

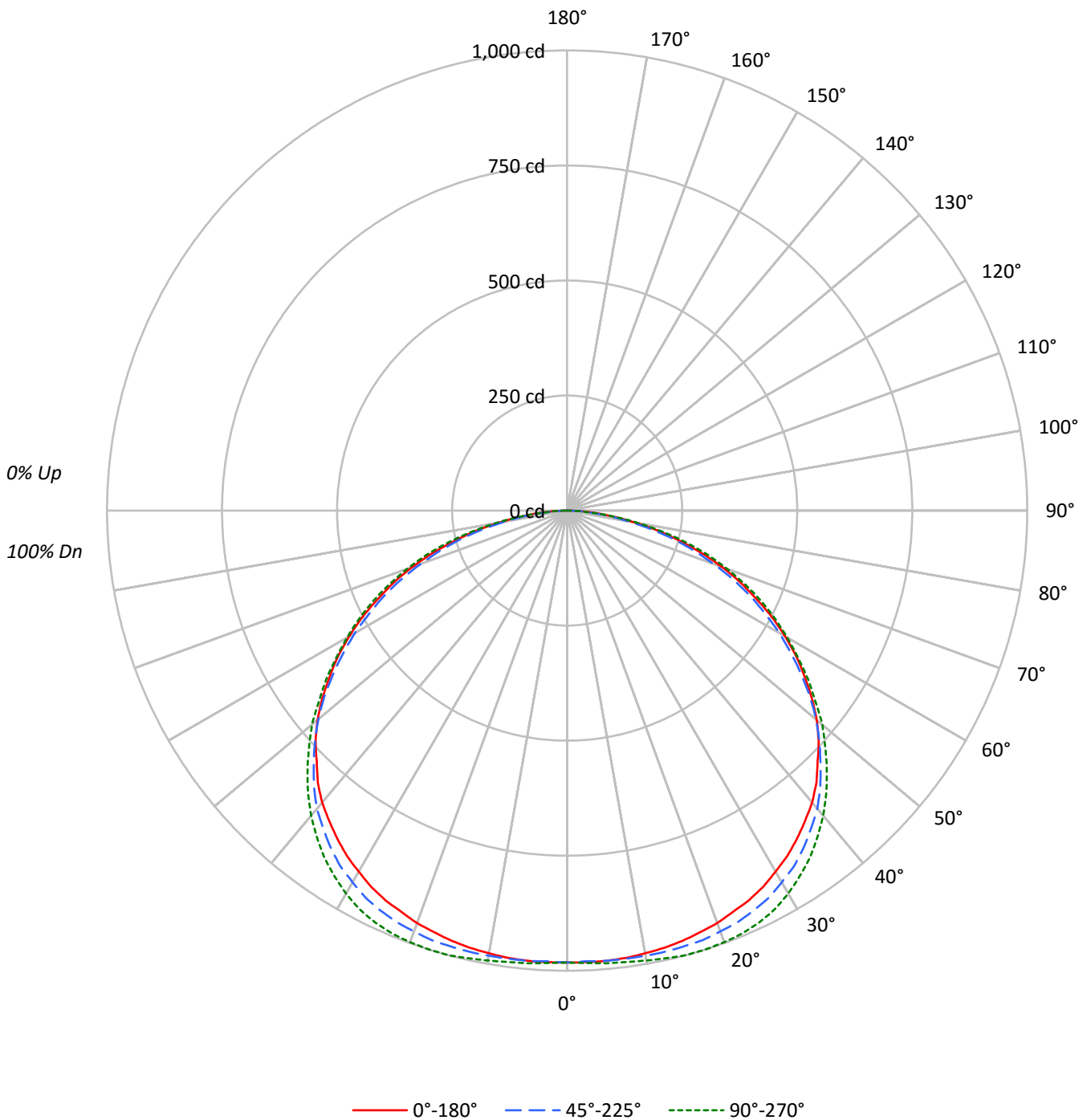
Lumens per Lamp: N/A  
Luminaire Lumens: 3309.9 lumens  
Efficiency: N/A  
Efficacy: 114.5 lumens/watt  
Spacing Criteria (0/90/45): 1.37 / 1.43 / 1.5  
Luminous Opening: Rectangular (W 1.79' x L: 1.79' x H: 0')  
CIE Type: Direct

Input Watts (W): 28.9  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): 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°	3293	3293	3293
5°	3306	3306	3324
10°	3326	3344	3380
15°	3360	3403	3471
20°	3404	3473	3562
25°	3457	3549	3654
30°	3508	3611	3721
35°	3564	3666	3767
40°	3625	3703	3788
45°	3650	3693	3785
50°	3693	3683	3776
55°	3683	3632	3735
60°	3667	3572	3703
65°	3595	3482	3693
70°	3505	3314	3627
75°	3256	3095	3462
80°	2904	2632	3041
85°	2451	1974	2112



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	93.8	2.8
10°-20°	278.0	8.4
20°-30°	442.7	13.4
30°-40°	560.0	16.9
40°-50°	603.2	18.2
50°-60°	560.8	16.9
60°-70°	442.7	13.4
70°-80°	262.2	7.9
80°-90°	66.4	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°	814.6	24.6
0°-40°	1374.6	41.5
0°-60°	2538.5	76.7
0°-90°	3309.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3309.9	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	982	982	982	982	982	
5°	982	980	982	986	988	94
15°	968	972	980	995	1000	274
25°	934	940	959	979	988	431
35°	871	878	896	913	920	545
45°	770	773	779	791	798	595
55°	630	623	621	630	639	564
65°	453	441	439	455	465	449
75°	251	241	239	257	267	268
85°	64	57	51	53	55	73
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	982.2	982.2	982.2	982.2	982.2
2.5°	982.2	982.2	980.4	982.2	984.0
5°	982.2	980.4	982.2	985.7	987.5
7.5°	980.4	980.4	982.2	985.7	989.3
10°	976.9	976.9	982.2	989.3	992.8
12.5°	973.4	975.1	982.2	991.0	996.4
15°	968.0	971.6	980.4	994.6	999.9
17.5°	961.0	966.3	978.7	992.8	999.9
20°	953.9	959.2	973.4	991.0	998.1
22.5°	943.3	950.3	968.0	985.7	994.6
25°	934.4	939.7	959.2	978.7	987.5
27.5°	922.0	929.1	948.6	968.0	976.9
30°	906.1	915.0	932.6	952.1	961.0
32.5°	890.2	897.3	916.7	934.4	941.5
35°	870.7	877.8	895.5	913.2	920.3
37.5°	849.5	856.6	870.7	886.6	893.7
40°	828.2	831.8	845.9	858.3	865.4
42.5°	801.7	803.5	814.1	828.2	833.5
45°	769.8	773.4	778.7	791.1	798.1
47.5°	741.5	739.7	743.3	755.7	761.0
50°	707.9	702.6	706.1	715.0	723.8
52.5°	670.7	663.6	665.4	672.5	679.6
55°	630.0	622.9	621.2	630.0	638.9
57.5°	591.1	582.2	576.9	587.6	594.6
60°	546.8	536.2	532.7	545.1	552.2
62.5°	502.6	490.2	484.9	499.1	509.7
65°	453.1	440.7	438.9	454.8	465.4
67.5°	407.0	394.7	389.3	403.5	417.7
70°	357.5	341.6	338.0	357.5	369.9
72.5°	306.2	292.0	288.5	309.7	320.3
75°	251.3	240.7	238.9	256.6	267.2
77.5°	203.5	187.6	187.6	205.3	212.4
80°	150.4	139.8	136.3	150.4	157.5
82.5°	102.6	95.6	92.0	97.3	106.2
85°	63.7	56.6	51.3	53.1	54.9
87.5°	28.3	23.0	17.7	14.2	15.9
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)