

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: P189166

Luminaire Tested: **DRI-WS-1L40-UNV-14-T1-STD**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P189166  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P34838)  
Test Lab: INNOVATION CENTER-P3  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: DRI-WS-1L40-UNV-14-T1-STD  
Description: DIVIDE RECESSED 1x4 LED LUMINAIRE, WaveStream SPECULAR OPTIC  
Light Source: (308) 4000K CCT, 80 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

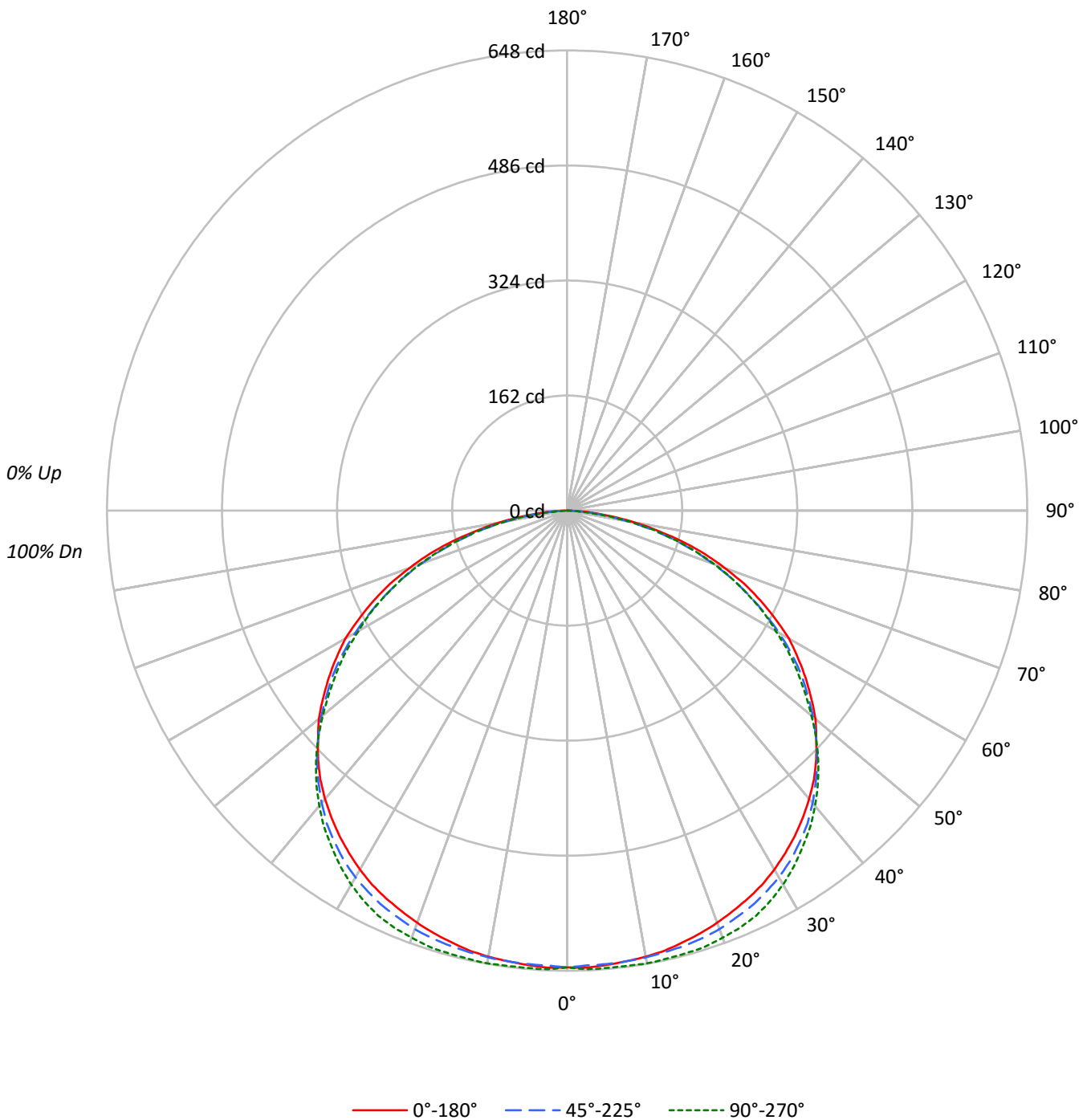
Lumens per Lamp: N/A  
Luminaire Lumens: 2113.6 lumens  
Efficiency: N/A  
Efficacy: 129.7 lumens/watt  
Spacing Criteria (0/90/45): 1.35 / 1.39 / 1.48  
Luminous Opening: Rectangular (W 0.96' x L: 3.83' x H: 0')  
CIE Type: Direct

Input Watts (W): 16.3  
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	94	91	93	90	88	89	87	85	83
2	98	90	83	77	95	88	81	76	84	79	74	81	76	72	78	74	71	68
3	89	78	70	63	87	77	69	62	74	67	61	71	65	60	68	63	59	57
4	81	69	60	53	79	68	59	53	65	58	52	63	56	51	60	55	50	48
5	75	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	39	51	44	38	49	43	38	36
7	64	50	41	34	62	49	40	34	47	40	34	46	39	34	44	38	34	31
8	59	45	37	31	58	45	36	30	43	36	30	42	35	30	41	35	30	28
9	55	41	33	27	54	41	33	27	40	32	27	39	32	27	38	31	27	25
10	52	38	30	25	50	38	30	25	37	29	25	36	29	24	35	29	24	22

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

	0°	45°	90°
0°	1885	1885	1885
5°	1889	1886	1902
10°	1898	1901	1926
15°	1909	1925	1958
20°	1926	1956	1996
25°	1949	1987	2035
30°	1974	2017	2057
35°	2000	2041	2068
40°	2028	2056	2077
45°	2055	2064	2073
50°	2081	2062	2047
55°	2092	2055	2022
60°	2113	2019	1988
65°	2085	1960	1952
70°	2020	1874	1892
75°	1896	1726	1751
80°	1638	1439	1458
85°	1220	1005	682



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	61.4	2.9
10°-20°	180.1	8.5
20°-30°	284.0	13.4
30°-40°	356.8	16.9
40°-50°	384.4	18.2
50°-60°	359.7	17.0
60°-70°	284.5	13.5
70°-80°	165.4	7.8
80°-90°	37.4	1.8
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°	525.5	24.9
0°-40°	882.3	41.7
0°-60°	1626.4	76.9
0°-90°	2113.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2113.6	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	643	643	643	643	643	
5°	642	643	641	645	646	61
15°	629	632	635	642	645	178
25°	603	607	614	625	629	278
35°	559	564	571	577	578	350
45°	496	498	498	499	500	382
55°	410	410	402	398	396	366
65°	301	296	283	283	282	297
75°	168	160	152	155	155	176
85°	36	33	30	24	20	45
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	643.3	643.3	643.3	643.3	643.3
2.5°	644.3	643.3	641.1	645.4	646.5
5°	642.2	643.3	641.1	645.4	646.5
7.5°	640.1	641.1	640.1	645.4	646.5
10°	637.9	639.0	639.0	645.4	647.5
12.5°	634.7	635.8	636.9	644.3	646.5
15°	629.4	631.5	634.7	642.2	645.4
17.5°	624.1	627.3	631.5	641.1	644.3
20°	617.7	620.9	627.3	636.9	640.1
22.5°	610.2	614.5	620.9	631.5	635.8
25°	602.7	607.0	614.5	625.1	629.4
27.5°	594.2	598.5	605.9	616.6	619.8
30°	583.5	588.9	596.3	605.9	608.1
32.5°	571.8	577.1	584.6	592.1	594.2
35°	559.0	564.3	570.7	577.1	578.2
37.5°	545.1	550.5	555.8	560.1	562.2
40°	530.2	534.4	537.6	541.9	543.0
42.5°	514.2	517.4	518.4	522.7	522.7
45°	496.0	498.2	498.2	499.2	500.3
47.5°	475.8	479.0	475.8	476.8	475.8
50°	456.6	456.6	452.3	451.2	449.1
52.5°	433.1	433.1	426.7	424.6	422.4
55°	409.6	409.6	402.2	397.9	395.8
57.5°	385.1	383.0	374.4	370.2	369.1
60°	360.6	355.2	344.6	341.4	339.2
62.5°	330.7	326.4	313.6	312.6	312.6
65°	300.8	295.5	282.7	282.7	281.6
67.5°	269.9	263.5	251.8	251.8	251.8
70°	235.8	229.4	218.7	219.8	220.8
72.5°	202.7	195.2	185.6	186.7	187.8
75°	167.5	160.0	152.5	154.7	154.7
77.5°	130.1	125.9	119.5	120.5	122.7
80°	97.1	91.7	85.3	87.5	86.4
82.5°	64.0	58.7	55.5	54.4	54.4
85°	36.3	33.1	29.9	24.5	20.3
87.5°	16.0	11.7	4.3	3.2	2.1
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)