

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: P189164

Luminaire Tested: **DRI-WD-4L40-UNV-24-T1-STD**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P189164  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P34839)  
Test Lab: INNOVATION CENTER-P3  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: DRI-WD-4L40-UNV-24-T1-STD  
Description: DIVIDE RECESSED 2x4 LED LUMINAIRE, WaveStream DIFFUSE OPTIC  
Light Source: (308) 4000K CCT, 80 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 6370.0 lumens  
Efficiency: N/A  
Efficacy: 127.7 lumens/watt  
Spacing Criteria (0/90/45): 1.29 / 1.29 / 1.42  
Luminous Opening: Rectangular (W 1.79' x L: 3.83' x H: 0')  
CIE Type: Direct

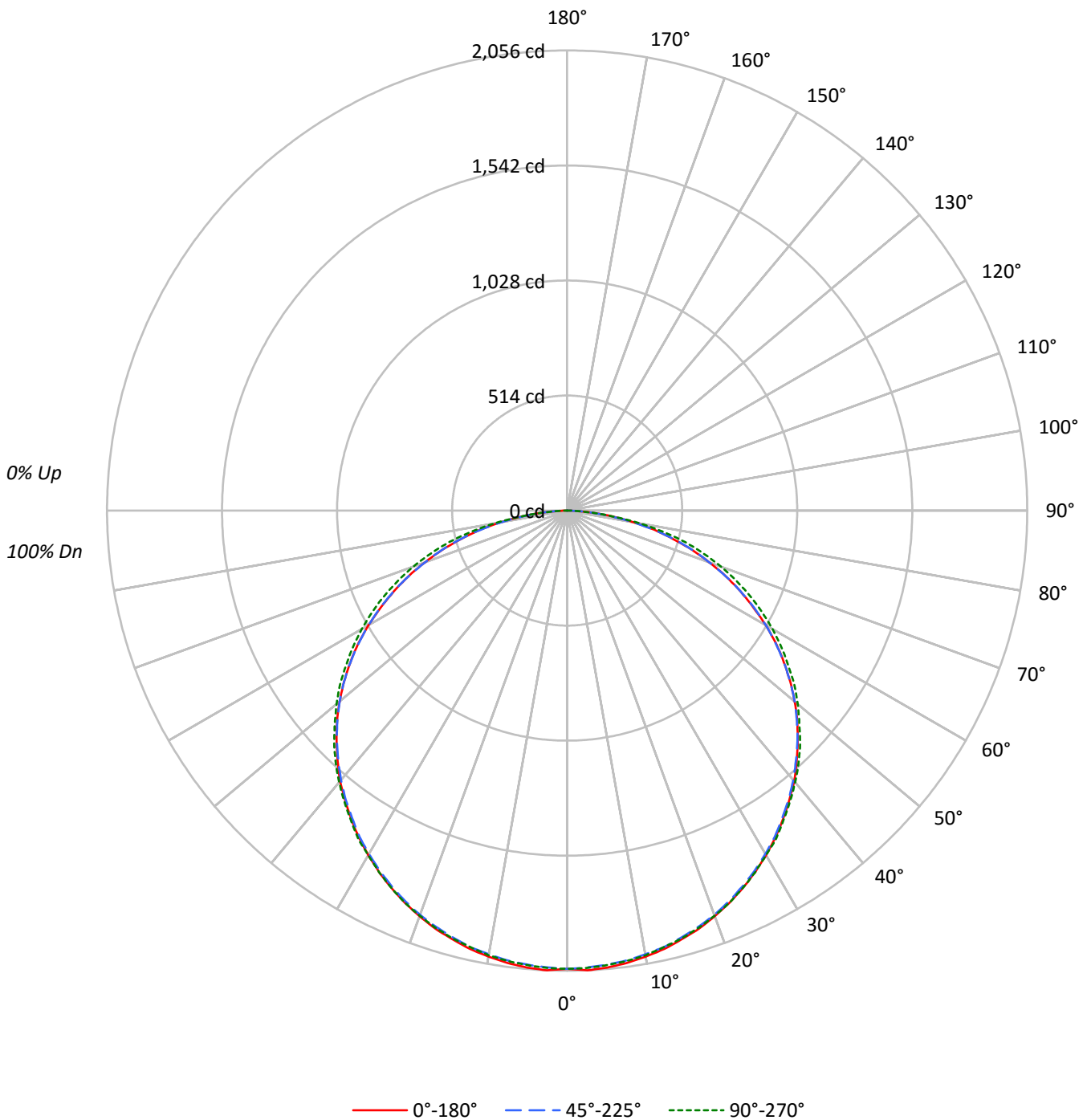
Input Watts (W): 49.9  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	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	74	70	68
3	89	78	69	63	86	76	68	62	73	67	61	71	65	60	68	63	59	57
4	81	69	60	53	79	67	59	52	65	57	52	62	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	50	44	38	49	43	38	36
7	64	50	41	34	62	49	40	34	47	40	34	46	39	34	44	38	33	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	30	25	36	29	25	35	29	24	23

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

	0°	45°	90°
0°	3209	3209	3209
5°	3224	3204	3208
10°	3220	3203	3210
15°	3217	3203	3210
20°	3216	3206	3213
25°	3215	3204	3215
30°	3216	3204	3216
35°	3218	3206	3227
40°	3229	3216	3242
45°	3230	3225	3263
50°	3237	3237	3279
55°	3231	3231	3296
60°	3212	3212	3321
65°	3167	3175	3344
70°	3101	3091	3349
75°	2972	2985	3312
80°	2732	2673	2986
85°	2099	1983	2021



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	193.9	3.0
10°-20°	558.0	8.8
20°-30°	855.3	13.4
30°-40°	1051.8	16.5
40°-50°	1125.4	17.7
50°-60°	1061.5	16.7
60°-70°	856.6	13.4
70°-80°	530.7	8.3
80°-90°	136.8	2.1
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°	1607.2	25.2
0°-40°	2659.0	41.7
0°-60°	4845.9	76.1
0°-90°	6370.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6370.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	2047	2047	2047	2047	2047	
5°	2050	2041	2037	2034	2039	195
15°	1983	1976	1974	1972	1978	560
25°	1859	1853	1853	1853	1859	858
35°	1682	1678	1676	1680	1686	1053
45°	1457	1453	1455	1466	1472	1125
55°	1183	1176	1183	1196	1206	1056
65°	854	852	856	882	902	844
75°	491	489	493	525	547	519
85°	117	112	110	104	112	142
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	2047.4	2047.4	2047.4	2047.4	2047.4
2.5°	2056.1	2045.3	2043.1	2040.9	2045.3
5°	2049.6	2040.9	2036.6	2034.4	2038.8
7.5°	2038.8	2030.1	2028.0	2023.6	2030.1
10°	2023.6	2015.0	2012.8	2010.7	2017.2
12.5°	2006.3	1997.7	1997.7	1993.4	1997.7
15°	1982.6	1976.1	1973.9	1971.8	1978.2
17.5°	1958.8	1950.1	1950.1	1948.0	1954.5
20°	1928.5	1922.0	1922.0	1919.9	1926.3
22.5°	1896.1	1887.4	1889.6	1889.6	1896.1
25°	1859.3	1852.8	1852.8	1852.8	1859.3
27.5°	1820.4	1813.9	1813.9	1816.1	1820.4
30°	1777.2	1770.7	1770.7	1772.8	1777.2
32.5°	1731.8	1727.4	1727.4	1729.6	1738.3
35°	1682.0	1677.7	1675.6	1679.9	1686.4
37.5°	1630.2	1625.8	1625.8	1632.3	1636.6
40°	1578.3	1571.8	1571.8	1578.3	1584.8
42.5°	1517.7	1513.4	1513.4	1519.9	1530.7
45°	1457.2	1452.9	1455.0	1465.8	1472.3
47.5°	1394.5	1388.0	1392.3	1401.0	1407.5
50°	1327.5	1323.1	1327.5	1336.1	1344.8
52.5°	1256.1	1256.1	1256.1	1269.1	1279.9
55°	1182.6	1176.1	1182.6	1195.6	1206.4
57.5°	1106.9	1100.5	1104.8	1124.2	1135.1
60°	1024.8	1018.3	1024.8	1046.4	1059.4
62.5°	938.3	938.3	942.6	964.3	981.6
65°	854.0	851.8	856.2	882.1	901.6
67.5°	767.5	765.4	767.5	797.8	817.2
70°	676.7	672.4	674.5	709.1	730.8
72.5°	585.9	579.4	588.1	618.3	640.0
75°	490.8	488.6	492.9	525.4	547.0
77.5°	400.0	393.5	395.6	423.8	441.0
80°	302.7	294.0	296.2	313.5	330.8
82.5°	209.7	198.9	201.1	207.6	216.2
85°	116.7	112.4	110.3	103.8	112.4
87.5°	45.4	38.9	32.4	30.3	32.4
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)