

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: P189165

Luminaire Tested: **DRI-WD-5L40-UNV-24-T1-STD**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P189165  
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-5L40-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**

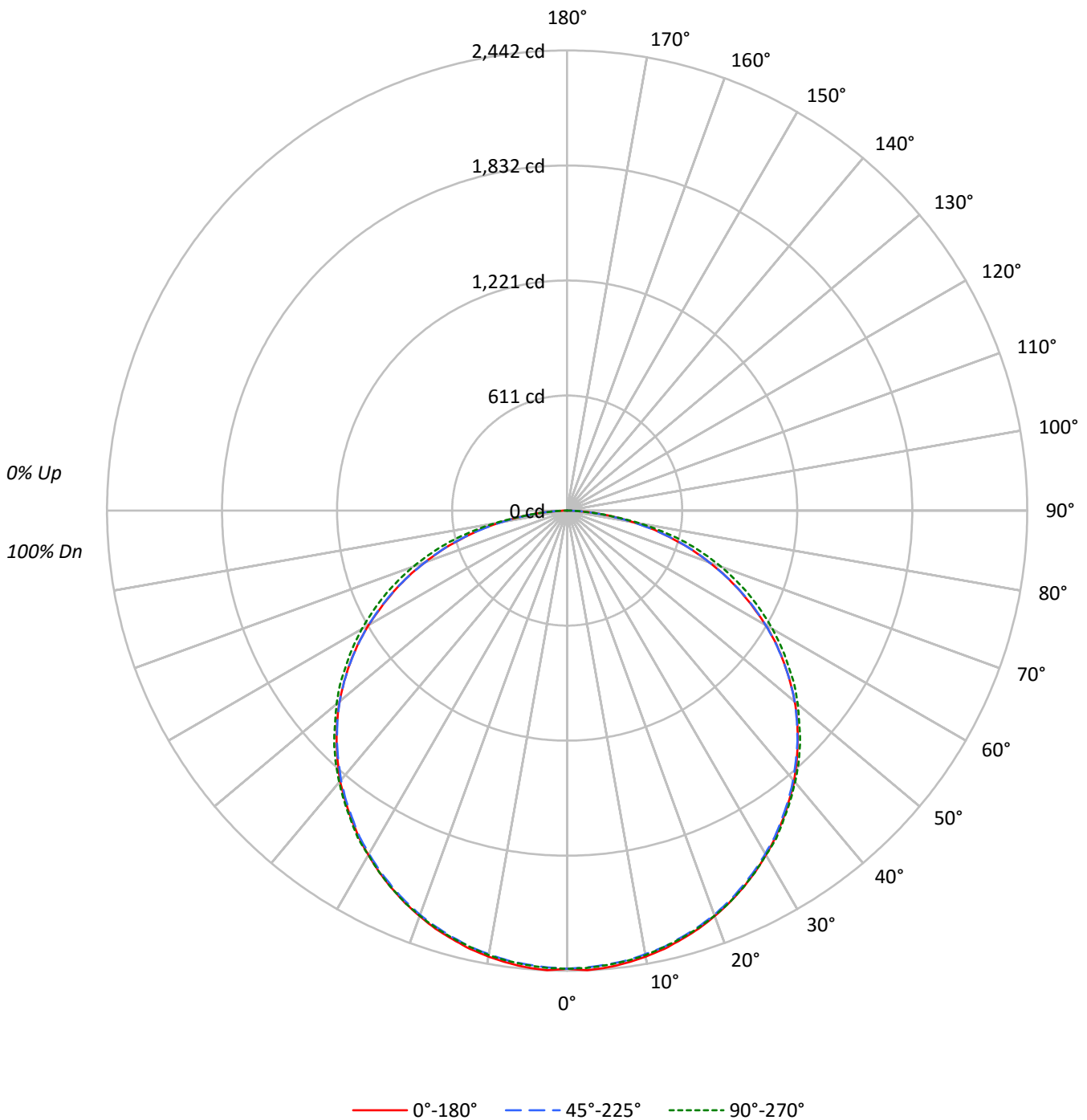
Lumens per Lamp: N/A  
Luminaire Lumens: 7564.6 lumens  
Efficiency: N/A  
Efficacy: 122.6 lumens/watt  
Spacing Criteria (0/90/45): 1.29 / 1.29 / 1.42  
Luminous Opening: Rectangular (W 1.79' x L: 3.83' x H: 0')  
CIE Type: Direct

Input Watts (W): 61.7  
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°	3811	3811	3811
5°	3829	3805	3809
10°	3825	3804	3812
15°	3820	3803	3812
20°	3820	3807	3815
25°	3818	3805	3818
30°	3819	3805	3819
35°	3822	3807	3831
40°	3835	3819	3850
45°	3836	3830	3875
50°	3844	3844	3894
55°	3837	3837	3915
60°	3815	3815	3944
65°	3761	3770	3970
70°	3682	3671	3977
75°	3529	3545	3934
80°	3244	3174	3545
85°	2492	2354	2401



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	230.2	3.0
10°-20°	662.7	8.8
20°-30°	1015.7	13.4
30°-40°	1249.1	16.5
40°-50°	1336.5	17.7
50°-60°	1260.5	16.7
60°-70°	1017.2	13.4
70°-80°	630.2	8.3
80°-90°	162.4	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°	1908.7	25.2
0°-40°	3157.7	41.7
0°-60°	5754.8	76.1
0°-90°	7564.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7564.6	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	2431	2431	2431	2431	2431	
5°	2434	2424	2419	2416	2421	231
15°	2354	2347	2344	2342	2349	665
25°	2208	2200	2200	2200	2208	1018
35°	1998	1992	1990	1995	2003	1251
45°	1730	1725	1728	1741	1748	1336
55°	1404	1397	1404	1420	1433	1255
65°	1014	1012	1017	1048	1071	1003
75°	583	580	585	624	650	616
85°	139	134	131	123	134	169
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	2431.4	2431.4	2431.4	2431.4	2431.4
2.5°	2441.7	2428.8	2426.3	2423.7	2428.8
5°	2434.0	2423.7	2418.6	2416.0	2421.1
7.5°	2421.1	2410.9	2408.3	2403.2	2410.9
10°	2403.2	2392.9	2390.3	2387.8	2395.5
12.5°	2382.6	2372.3	2372.3	2367.2	2372.3
15°	2354.4	2346.7	2344.1	2341.5	2349.2
17.5°	2326.1	2315.9	2315.9	2313.3	2321.0
20°	2290.2	2282.5	2282.5	2279.9	2287.6
22.5°	2251.7	2241.4	2244.0	2244.0	2251.7
25°	2208.0	2200.3	2200.3	2200.3	2208.0
27.5°	2161.8	2154.1	2154.1	2156.7	2161.8
30°	2110.5	2102.8	2102.8	2105.3	2110.5
32.5°	2056.5	2051.4	2051.4	2054.0	2064.2
35°	1997.5	1992.4	1989.8	1994.9	2002.6
37.5°	1935.9	1930.7	1930.7	1938.4	1943.6
40°	1874.3	1866.6	1866.6	1874.3	1882.0
42.5°	1802.4	1797.2	1797.2	1804.9	1817.8
45°	1730.5	1725.3	1727.9	1740.7	1748.5
47.5°	1656.0	1648.3	1653.5	1663.7	1671.4
50°	1576.4	1571.3	1576.4	1586.7	1597.0
52.5°	1491.7	1491.7	1491.7	1507.1	1519.9
55°	1404.4	1396.7	1404.4	1419.8	1432.7
57.5°	1314.5	1306.8	1312.0	1335.1	1347.9
60°	1217.0	1209.3	1217.0	1242.7	1258.1
62.5°	1114.3	1114.3	1119.4	1145.1	1165.6
65°	1014.2	1011.6	1016.7	1047.5	1070.6
67.5°	911.5	908.9	911.5	947.4	970.5
70°	803.6	798.5	801.1	842.1	867.8
72.5°	695.8	688.1	698.4	734.3	760.0
75°	582.8	580.2	585.4	623.9	649.6
77.5°	475.0	467.3	469.8	503.2	523.8
80°	359.4	349.2	351.7	372.3	392.8
82.5°	249.0	236.2	238.8	246.5	256.7
85°	138.6	133.5	130.9	123.2	133.5
87.5°	53.9	46.2	38.5	35.9	38.5
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)