

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: P189181

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

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P189181  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P34844)  
Test Lab: INNOVATION CENTER-P3  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: DRI-WS-5L40-UNV-24-T1-STD  
Description: DIVIDE RECESSED 2x4 LED LUMINAIRE, WaveStream SPECULAR OPTIC  
Light Source: (308) 4000K CCT, 80 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

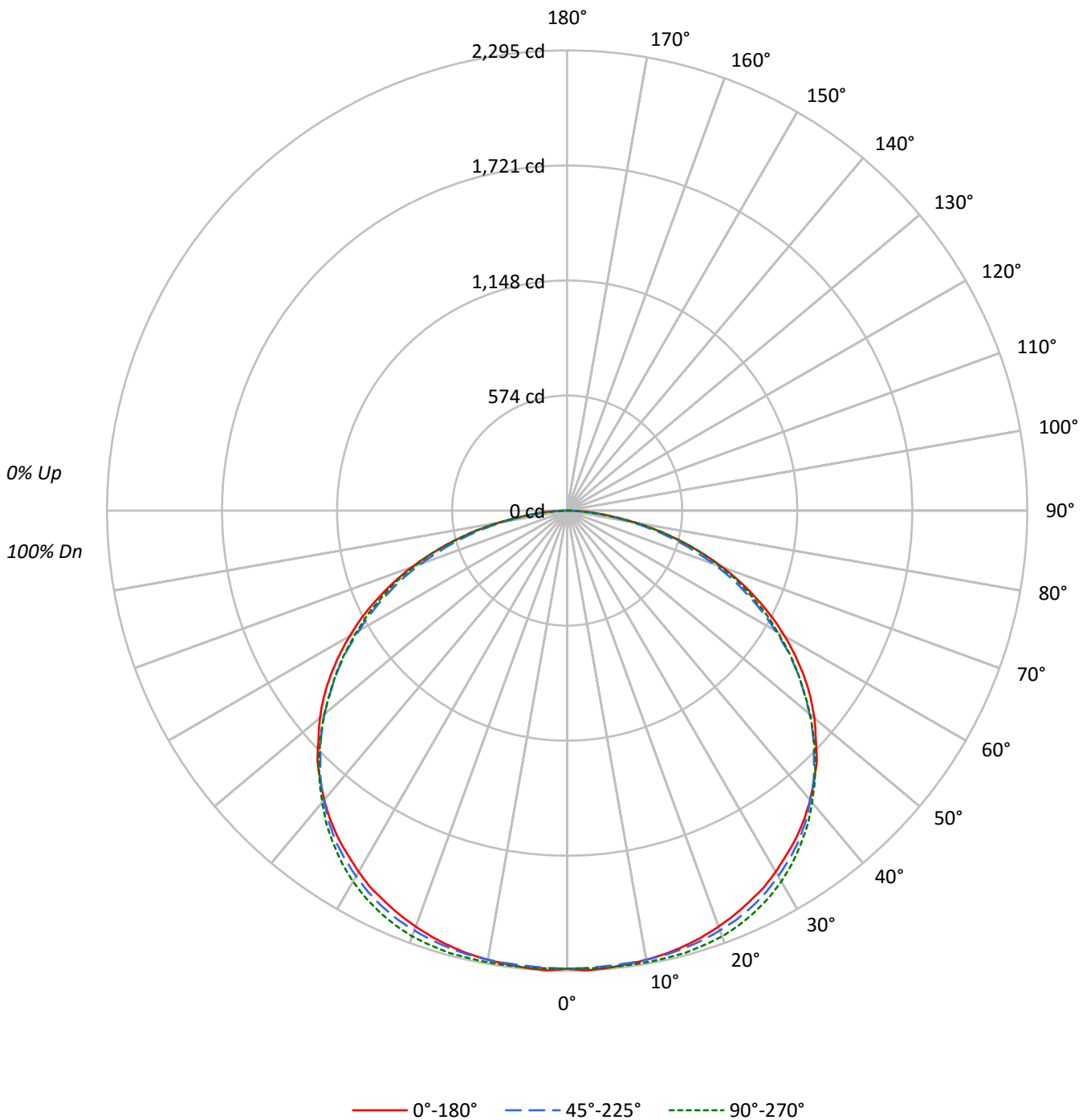
Lumens per Lamp: N/A  
Luminaire Lumens: 7471.9 lumens  
Efficiency: N/A  
Efficacy: 121.1 lumens/watt  
Spacing Criteria (0/90/45): 1.35 / 1.37 / 1.47  
Luminous Opening: Rectangular (W 1.79' x L: 3.83' x H: 0')  
CIE Type: Direct

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	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	87	76	69	62	73	67	61	71	65	60	68	63	59	57
4	81	69	60	53	79	68	59	52	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	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	57	45	36	30	43	36	30	42	35	30	41	34	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°	3581	3581	3581
5°	3603	3587	3599
10°	3620	3620	3641
15°	3649	3666	3703
20°	3683	3717	3768
25°	3721	3769	3823
30°	3764	3810	3866
35°	3812	3851	3886
40°	3855	3861	3887
45°	3904	3858	3881
50°	3925	3850	3856
55°	3943	3823	3830
60°	3927	3758	3798
65°	3875	3685	3770
70°	3777	3553	3706
75°	3545	3327	3545
80°	3082	2874	3082
85°	2492	2124	2170



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	217.6	2.9
10°-20°	639.1	8.6
20°-30°	1004.8	13.4
30°-40°	1257.1	16.8
40°-50°	1348.0	18.0
50°-60°	1258.7	16.8
60°-70°	1000.8	13.4
70°-80°	597.1	8.0
80°-90°	148.7	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°	1861.5	24.9
0°-40°	3118.6	41.7
0°-60°	5725.3	76.6
0°-90°	7471.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7471.9	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	2285	2285	2285	2285	2285	
5°	2290	2280	2280	2277	2288	218
15°	2249	2246	2259	2270	2282	636
25°	2152	2154	2180	2198	2211	993
35°	1992	1995	2013	2023	2031	1246
45°	1761	1748	1741	1748	1751	1355
55°	1443	1420	1399	1397	1402	1288
65°	1045	1019	994	1009	1017	1033
75°	585	557	549	575	585	617
85°	139	123	118	118	121	163
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	2285.1	2285.1	2285.1	2285.1	2285.1
2.5°	2295.3	2282.5	2282.5	2277.3	2285.1
5°	2290.2	2279.9	2279.9	2277.3	2287.6
7.5°	2282.5	2274.8	2277.3	2277.3	2287.6
10°	2274.8	2269.6	2274.8	2277.3	2287.6
12.5°	2264.5	2256.8	2269.6	2274.8	2285.1
15°	2249.1	2246.5	2259.4	2269.6	2282.5
17.5°	2231.1	2228.6	2246.5	2259.4	2272.2
20°	2208.0	2208.0	2228.6	2244.0	2259.4
22.5°	2182.4	2184.9	2208.0	2226.0	2238.8
25°	2151.5	2154.1	2179.8	2197.8	2210.6
27.5°	2120.7	2120.7	2146.4	2164.4	2177.2
30°	2079.7	2084.8	2105.3	2123.3	2136.1
32.5°	2036.0	2041.1	2061.7	2077.1	2087.4
35°	1992.4	1994.9	2012.9	2023.2	2030.9
37.5°	1941.0	1941.0	1953.8	1961.5	1971.8
40°	1884.5	1882.0	1887.1	1894.8	1899.9
42.5°	1822.9	1817.8	1820.3	1828.0	1828.0
45°	1761.3	1748.4	1740.7	1748.4	1751.0
47.5°	1681.7	1676.6	1663.7	1666.3	1666.3
50°	1609.8	1591.8	1579.0	1576.4	1581.6
52.5°	1530.2	1509.7	1489.1	1486.6	1489.1
55°	1442.9	1419.8	1399.3	1396.7	1401.8
57.5°	1350.5	1327.4	1304.3	1306.8	1309.4
60°	1252.9	1224.7	1199.0	1206.7	1211.8
62.5°	1152.8	1124.6	1098.9	1106.6	1119.4
65°	1045.0	1019.3	993.6	1009.0	1016.7
67.5°	937.1	908.9	888.3	906.3	919.2
70°	824.2	793.3	775.4	798.5	808.8
72.5°	706.1	682.9	659.8	690.7	703.5
75°	585.4	557.1	549.4	575.1	585.4
77.5°	467.3	441.6	433.9	457.0	469.8
80°	341.5	326.1	318.4	333.8	341.5
82.5°	231.1	213.1	210.5	218.2	223.4
85°	138.6	123.2	118.1	118.1	120.7
87.5°	59.1	51.3	38.5	35.9	28.2
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)