

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: P189099

Luminaire Tested: **DRI-WD-5L35-UNV-24-T1-STD**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P189099  
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-5L35-UNV-24-T1-STD  
Description: DIVIDE RECESSED 2x4 LED LUMINAIRE, WaveStream DIFFUSE OPTIC  
Light Source: (308) 3500K CCT, 80 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 7500.3 lumens  
Efficiency: N/A  
Efficacy: 121.6 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

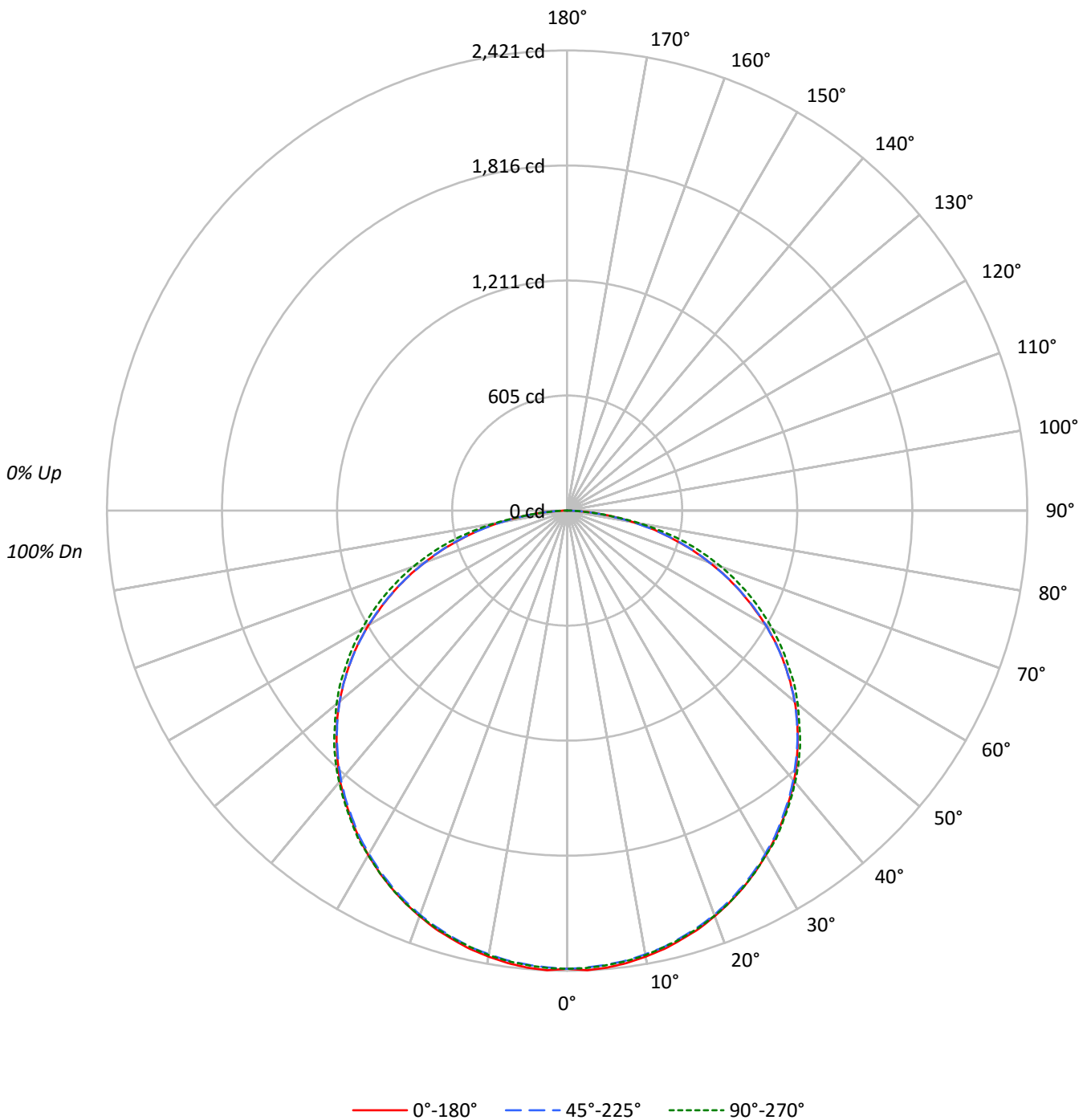
Input Watts (W): 61.7  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	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					100			
1	108	103	99	95	105	101	97	93	97	93	90	93	90	87	89	87	85	83					83			
2	98	89	82	76	95	87	81	75	84	78	73	80	76	72	77	74	70	68					68			
3	89	78	69	63	86	76	68	62	73	67	61	71	65	60	68	63	59	57					57			
4	81	69	60	53	79	67	59	52	65	57	52	62	56	51	60	55	50	48					48			
5	75	61	52	45	72	60	51	45	58	50	44	56	49	44	54	48	43	41					41			
6	69	55	46	39	67	54	45	39	52	44	39	50	44	38	49	43	38	36					36			
7	64	50	41	34	62	49	40	34	47	40	34	46	39	34	44	38	33	31					31			
8	59	45	37	31	58	45	36	30	43	36	30	42	35	30	41	35	30	28					28			
9	55	41	33	27	54	41	33	27	40	32	27	39	32	27	38	31	27	25					25			
10	52	38	30	25	50	38	30	25	37	30	25	36	29	25	35	29	24	23					23			

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

	0°	45°	90°
0°	3778	3778	3778
5°	3797	3773	3777
10°	3792	3772	3780
15°	3788	3771	3779
20°	3787	3774	3783
25°	3786	3773	3786
30°	3787	3773	3787
35°	3789	3775	3799
40°	3802	3786	3818
45°	3803	3797	3842
50°	3811	3811	3861
55°	3805	3805	3881
60°	3782	3782	3910
65°	3729	3738	3936
70°	3651	3639	3943
75°	3499	3515	3900
80°	3217	3148	3515
85°	2473	2334	2381



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	228.3	3.0
10°-20°	657.1	8.8
20°-30°	1007.1	13.4
30°-40°	1238.5	16.5
40°-50°	1325.1	17.7
50°-60°	1249.8	16.7
60°-70°	1008.6	13.4
70°-80°	624.8	8.3
80°-90°	161.1	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°	1892.4	25.2
0°-40°	3130.9	41.7
0°-60°	5705.9	76.1
0°-90°	7500.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7500.3	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	2411	2411	2411	2411	2411	
5°	2413	2403	2398	2396	2401	229
15°	2334	2327	2324	2322	2329	660
25°	2189	2182	2182	2182	2189	1010
35°	1980	1975	1973	1978	1986	1240
45°	1716	1711	1713	1726	1734	1324
55°	1392	1385	1392	1408	1420	1244
65°	1006	1003	1008	1039	1062	994
75°	578	575	580	619	644	611
85°	138	132	130	122	132	168
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	2410.7	2410.7	2410.7	2410.7	2410.7
2.5°	2420.9	2408.2	2405.6	2403.1	2408.2
5°	2413.3	2403.1	2398.0	2395.5	2400.6
7.5°	2400.6	2390.4	2387.8	2382.7	2390.4
10°	2382.7	2372.5	2370.0	2367.5	2375.1
12.5°	2362.4	2352.2	2352.2	2347.1	2352.2
15°	2334.4	2326.7	2324.2	2321.6	2329.3
17.5°	2306.4	2296.2	2296.2	2293.6	2301.3
20°	2270.7	2263.1	2263.1	2260.5	2268.2
22.5°	2232.5	2222.4	2224.9	2224.9	2232.5
25°	2189.3	2181.6	2181.6	2181.6	2189.3
27.5°	2143.4	2135.8	2135.8	2138.3	2143.4
30°	2092.5	2084.9	2084.9	2087.4	2092.5
32.5°	2039.1	2034.0	2034.0	2036.5	2046.7
35°	1980.5	1975.4	1972.9	1978.0	1985.6
37.5°	1919.4	1914.3	1914.3	1922.0	1927.1
40°	1858.3	1850.7	1850.7	1858.3	1866.0
42.5°	1787.0	1782.0	1782.0	1789.6	1802.3
45°	1715.8	1710.7	1713.2	1726.0	1733.6
47.5°	1641.9	1634.3	1639.4	1649.6	1657.2
50°	1563.0	1557.9	1563.0	1573.2	1583.4
52.5°	1479.0	1479.0	1479.0	1494.3	1507.0
55°	1392.5	1384.8	1392.5	1407.7	1420.5
57.5°	1303.4	1295.7	1300.8	1323.7	1336.5
60°	1206.6	1199.0	1206.6	1232.1	1247.4
62.5°	1104.8	1104.8	1109.9	1135.4	1155.7
65°	1005.5	1003.0	1008.1	1038.6	1061.5
67.5°	903.7	901.2	903.7	939.3	962.3
70°	796.8	791.7	794.2	835.0	860.4
72.5°	689.9	682.2	692.4	728.1	753.5
75°	577.9	575.3	580.4	618.6	644.1
77.5°	470.9	463.3	465.9	498.9	519.3
80°	356.4	346.2	348.8	369.1	389.5
82.5°	246.9	234.2	236.7	244.4	254.6
85°	137.5	132.4	129.8	122.2	132.4
87.5°	53.5	45.8	38.2	35.6	38.2
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)