

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: P506737

Luminaire Tested: **24PD-60-PR1-L835**

Issue Date: 3/26/2021



**Test Information**

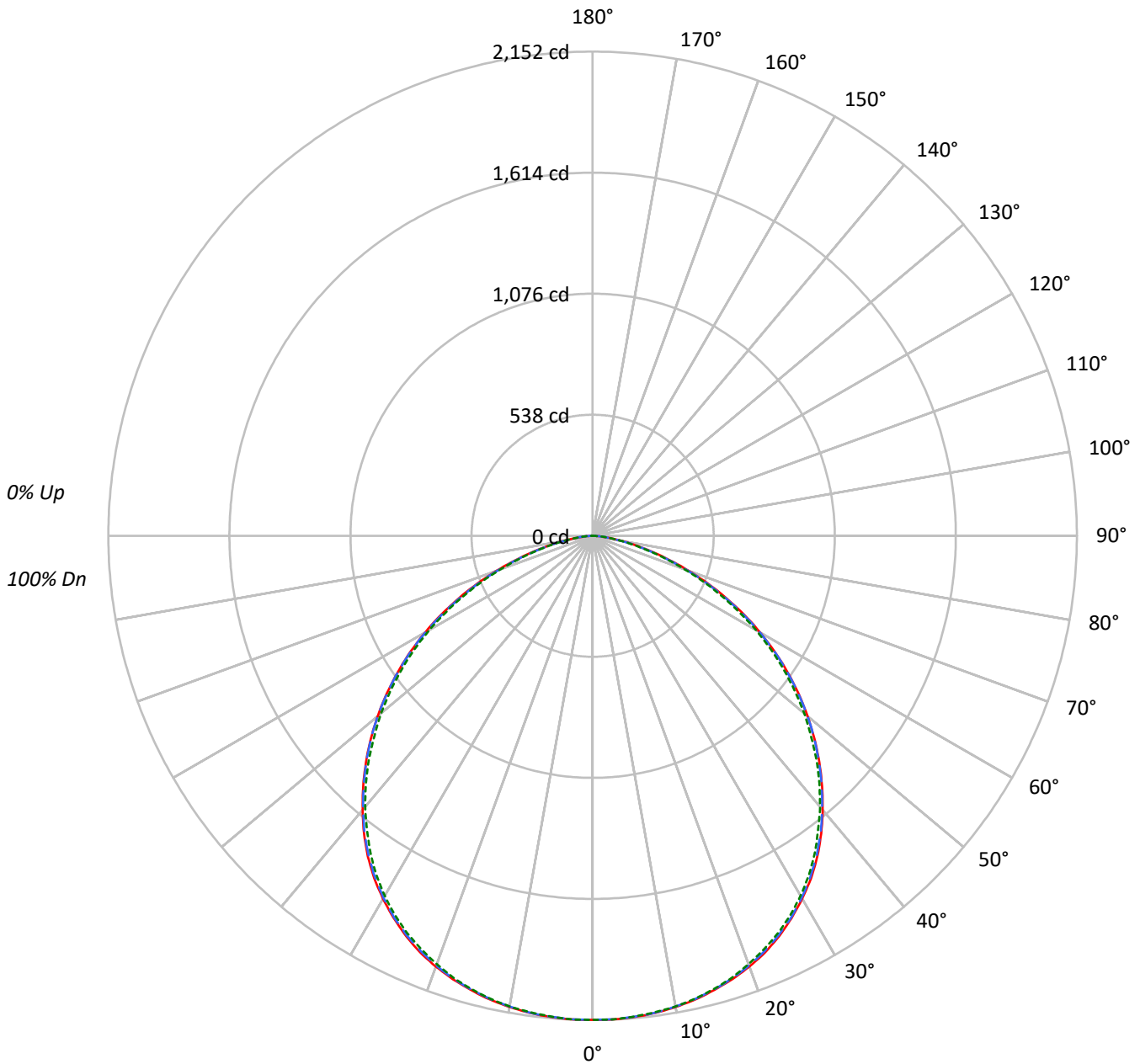
Test Method: LM-79-08  
Report Number: P506737  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2102-132-12)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/26/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: 24PD-60-PR1-L835  
Description: 6000 LUMEN, 2X4 PERCEIVE LED LUMINAIRE WITH RIPPLE LENS AND 80 CRI,  
3500K LEDS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5792.0 lumens  
Efficiency: N/A  
Efficacy: 129.0 lumens/watt  
Spacing Criteria (0/90/45): 1.28 / 1.27 / 1.37  
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')  
CIE Type: Direct  
  
Input Watts (W): 44.9  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): 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									
RC	80									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	0																
RCR																																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100																			
1	110	105	101	98	107	103	99	96	99	96	93	95	92	90	91	89	87	85																			
2	100	92	86	80	97	90	84	79	87	82	78	84	79	76	81	77	74	72																			
3	91	81	74	67	89	80	73	67	77	71	66	74	69	64	72	67	63	61																			
4	84	72	64	57	82	71	63	57	68	62	56	66	60	55	64	59	55	52																			
5	77	65	56	49	75	64	55	49	61	54	49	60	53	48	58	52	48	46																			
6	71	58	50	43	69	57	49	43	56	48	43	54	47	42	52	47	42	40																			
7	66	53	44	38	64	52	44	38	51	43	38	49	43	38	48	42	37	35																			
8	62	48	40	34	60	48	40	34	46	39	34	45	38	34	44	38	33	32																			
9	58	44	36	31	56	44	36	31	43	36	31	42	35	30	41	35	30	28																			
10	54	41	33	28	53	40	33	28	39	32	28	38	32	28	38	32	27	26																			

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

	0°	45°	90°
0°	2895	2895	2895
5°	2900	2898	2897
10°	2906	2903	2902
15°	2912	2908	2905
20°	2917	2910	2901
25°	2914	2906	2894
30°	2894	2887	2871
35°	2859	2850	2827
40°	2793	2786	2762
45°	2711	2707	2676
50°	2610	2609	2569
55°	2482	2476	2430
60°	2313	2304	2252
65°	2084	2059	2011
70°	1779	1753	1709
75°	1407	1375	1343
80°	999	973	943
85°	601	584	567



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	204.2	3.5
10°-20°	589.5	10.2
20°-30°	901.3	15.6
30°-40°	1082.3	18.7
40°-50°	1093.7	18.9
50°-60°	939.8	16.2
60°-70°	641.1	11.1
70°-80°	288.2	5.0
80°-90°	51.8	0.9
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°	1695.0	29.3
0°-40°	2777.3	48.0
0°-60°	4810.9	83.1
0°-90°	5792.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5792.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	2151	2151	2151	2151	2151	
5°	2147	2146	2146	2145	2145	204
15°	2090	2090	2088	2086	2085	590
25°	1963	1962	1958	1951	1949	904
35°	1741	1741	1735	1725	1721	1087
45°	1425	1428	1422	1412	1406	1098
55°	1058	1062	1056	1046	1036	944
65°	654	658	647	642	632	648
75°	271	273	264	263	258	293
85°	39	39	38	38	37	53
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	2151.4	2151.4	2151.4	2151.4	2151.4
2.5°	2152.0	2151.4	2150.9	2149.7	2151.4
5°	2147.0	2146.4	2145.9	2144.7	2144.7
7.5°	2139.2	2138.1	2138.1	2136.4	2135.9
10°	2127.0	2126.4	2124.7	2124.7	2124.2
12.5°	2111.4	2110.3	2108.6	2108.1	2107.0
15°	2090.3	2089.7	2087.5	2085.8	2085.3
17.5°	2066.4	2064.7	2063.1	2059.2	2059.2
20°	2037.5	2036.4	2032.5	2028.6	2026.4
22.5°	2004.2	2001.9	1997.5	1993.6	1989.2
25°	1963.0	1962.5	1957.5	1950.8	1949.2
27.5°	1915.3	1916.4	1911.4	1904.7	1901.4
30°	1863.0	1865.3	1858.0	1849.7	1848.0
32.5°	1805.8	1806.4	1800.2	1791.4	1788.0
35°	1740.8	1740.8	1735.2	1724.7	1721.3
37.5°	1668.6	1668.0	1664.7	1652.5	1646.3
40°	1590.2	1593.0	1586.3	1575.2	1572.4
42.5°	1509.1	1512.4	1506.3	1496.9	1490.8
45°	1424.6	1428.5	1422.4	1412.4	1406.3
47.5°	1337.4	1340.2	1335.7	1323.0	1314.6
50°	1246.8	1252.4	1246.3	1232.9	1227.4
52.5°	1153.5	1159.6	1152.4	1142.4	1131.8
55°	1057.9	1061.8	1055.7	1046.3	1035.7
57.5°	959.6	967.4	957.4	946.2	937.4
60°	859.6	866.2	856.2	846.2	836.8
62.5°	757.9	762.3	751.2	745.1	734.0
65°	654.5	657.9	646.8	642.3	631.8
67.5°	552.3	555.1	544.5	538.4	532.3
70°	452.3	454.5	445.6	440.1	434.5
72.5°	357.8	358.4	350.0	348.4	341.7
75°	270.6	272.8	264.5	262.8	258.4
77.5°	194.5	195.0	189.5	188.4	184.5
80°	128.9	129.5	125.6	125.0	121.7
82.5°	77.8	78.3	75.0	75.0	72.8
85°	38.9	39.4	37.8	37.8	36.7
87.5°	13.3	13.9	13.3	13.3	12.8
90°	0.0	0.0	0.0	0.0	0.0



Report Generated By 670246072 / DESKTOP-MV3F9LC







— 0°-180°    - - 45°-225°    - - - - 90°-270°







(END OF REPORT)