

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: P506728

Luminaire Tested: **24PD-60-PL1-L835**

Issue Date: 3/26/2021

**Test Information**

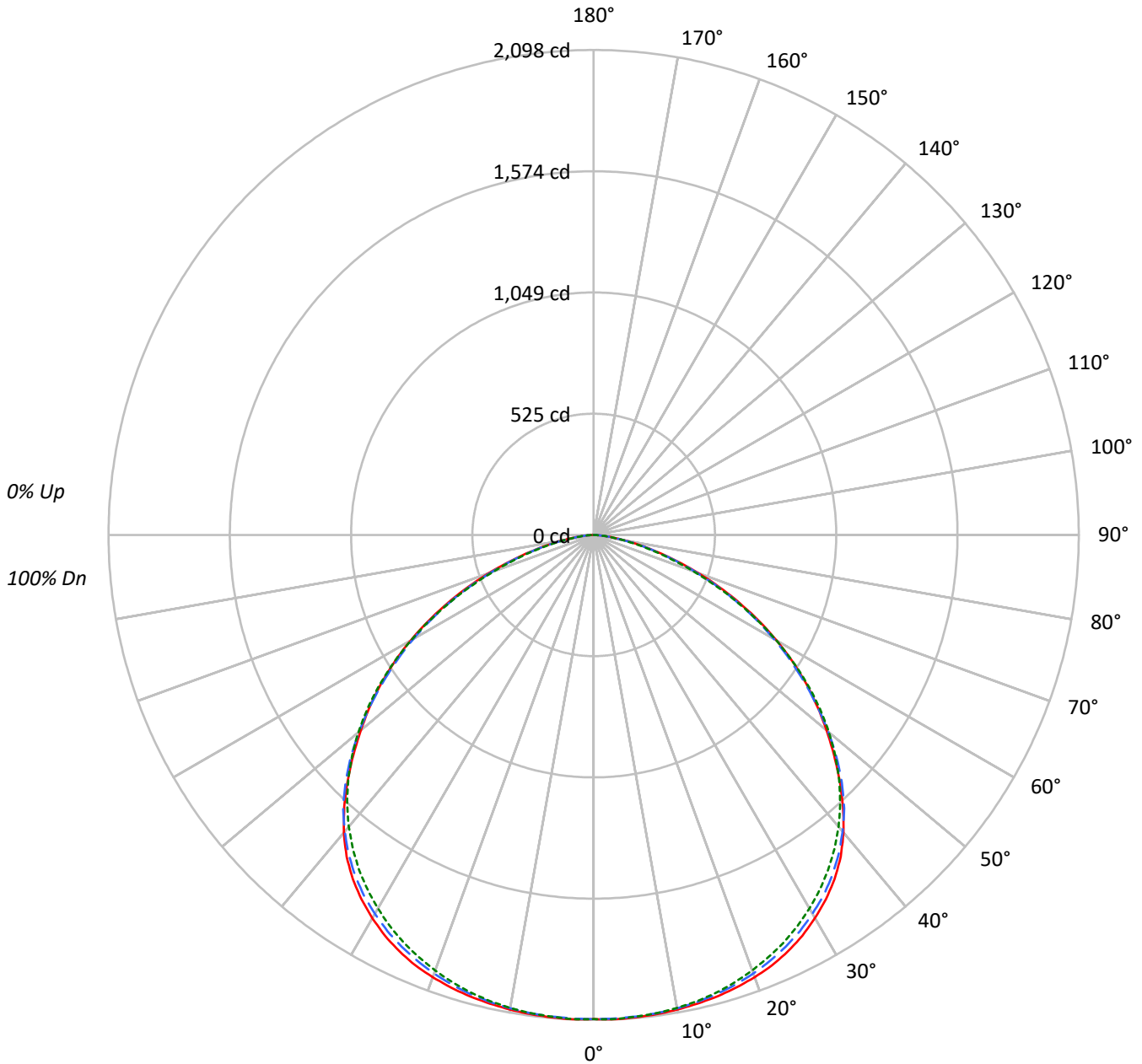
Test Method: LM-79-08  
Report Number: P506728  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2102-132-11)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/26/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: 24PD-60-PL1-L835  
Description: 6000 LUMEN, 2X4 PERCEIVE LED LUMINAIRE WITH LEAVES LENS AND 80 CRI,  
3500K LEDS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 6009.7 lumens  
Efficiency: N/A  
Efficacy: 133.8 lumens/watt  
Spacing Criteria (0/90/45): 1.35 / 1.32 / 1.43  
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				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	0	
RCR																						
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100				100
1	109	105	101	97	107	103	99	96	99	96	93	95	92	90	91	89	87	85				85
2	100	92	85	80	97	90	84	79	87	82	77	83	79	75	80	77	74	72				72
3	91	81	73	67	89	79	72	66	76	70	65	74	68	64	71	67	63	61				61
4	84	72	63	57	81	71	63	56	68	61	56	66	60	55	64	58	54	52				52
5	77	64	55	49	75	63	55	49	61	54	48	59	53	48	57	52	47	45				45
6	71	58	49	43	69	57	48	42	55	48	42	53	47	42	52	46	41	39				39
7	66	52	44	38	64	52	43	37	50	43	37	49	42	37	47	41	37	35				35
8	61	48	39	33	60	47	39	33	46	38	33	44	38	33	43	37	33	31				31
9	57	44	36	30	56	43	35	30	42	35	30	41	34	30	40	34	30	28				28
10	53	40	32	27	52	40	32	27	39	32	27	38	31	27	37	31	27	25				25

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

	0°	45°	90°
0°	2819	2819	2819
5°	2829	2825	2826
10°	2849	2841	2839
15°	2879	2865	2856
20°	2915	2891	2871
25°	2951	2918	2888
30°	2974	2940	2899
35°	2984	2954	2905
40°	2952	2941	2894
45°	2862	2888	2856
50°	2751	2771	2781
55°	2632	2612	2651
60°	2462	2422	2453
65°	2215	2172	2170
70°	1887	1844	1801
75°	1485	1452	1393
80°	1062	1031	973
85°	628	621	576



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	199.3	3.3
10°-20°	581.5	9.7
20°-30°	906.4	15.1
30°-40°	1121.7	18.7
40°-50°	1162.8	19.3
50°-60°	1001.2	16.7
60°-70°	679.3	11.3
70°-80°	303.1	5.0
80°-90°	54.5	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°	1687.3	28.1
0°-40°	2808.9	46.7
0°-60°	4972.8	82.7
0°-90°	6009.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6009.7	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	2095	2095	2095	2095	2095	
5°	2095	2092	2092	2092	2092	200
15°	2067	2061	2056	2052	2050	584
25°	1988	1980	1965	1951	1945	916
35°	1817	1812	1798	1779	1768	1134
45°	1504	1511	1518	1512	1501	1159
55°	1122	1123	1113	1126	1130	1001
65°	696	699	682	675	682	688
75°	286	288	279	273	268	310
85°	41	41	40	40	37	56
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	2094.9	2094.9	2094.9	2094.9	2094.9
2.5°	2097.8	2093.2	2093.8	2094.4	2096.7
5°	2094.9	2092.1	2091.5	2091.5	2092.1
7.5°	2091.5	2088.0	2087.5	2086.9	2086.9
10°	2085.2	2081.7	2079.4	2078.3	2077.7
12.5°	2076.6	2072.6	2069.7	2067.4	2065.7
15°	2066.8	2061.1	2056.5	2051.9	2050.2
17.5°	2053.1	2047.9	2039.9	2032.4	2029.5
20°	2035.8	2030.7	2019.2	2008.9	2004.9
22.5°	2015.8	2008.3	1994.0	1982.5	1976.8
25°	1987.7	1980.2	1965.3	1950.9	1945.2
27.5°	1955.0	1948.1	1932.0	1914.8	1907.9
30°	1914.2	1909.6	1892.4	1873.5	1866.1
32.5°	1868.9	1864.3	1849.4	1828.2	1819.6
35°	1816.7	1811.6	1798.4	1778.9	1768.5
37.5°	1754.8	1753.0	1740.4	1720.3	1710.6
40°	1680.8	1684.2	1674.5	1657.2	1647.5
42.5°	1596.4	1603.9	1603.9	1587.8	1578.1
45°	1504.1	1511.0	1517.9	1512.1	1501.2
47.5°	1409.4	1416.9	1424.9	1427.2	1418.0
50°	1314.2	1318.8	1324.0	1334.3	1328.5
52.5°	1219.6	1221.3	1219.6	1233.3	1232.2
55°	1122.0	1122.6	1113.4	1126.1	1130.1
57.5°	1020.5	1022.2	1007.3	1014.2	1022.8
60°	915.0	916.7	900.0	901.2	911.5
62.5°	806.0	808.3	791.6	787.6	796.8
65°	695.8	698.7	682.1	674.6	681.5
67.5°	586.3	589.7	574.2	565.0	566.8
70°	479.6	482.4	468.7	460.1	457.8
72.5°	378.0	380.9	370.0	361.4	357.4
75°	285.7	288.0	279.4	273.1	267.9
77.5°	205.4	207.1	200.2	195.6	190.4
80°	137.1	137.7	133.1	130.2	125.6
82.5°	82.0	82.6	79.7	78.6	75.1
85°	40.7	41.3	40.2	40.2	37.3
87.5°	14.3	13.8	14.3	14.3	12.6
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)