

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: P506026

Luminaire Tested: **14PD-60-PL1-L835**

Issue Date: 3/26/2021



**Test Information**

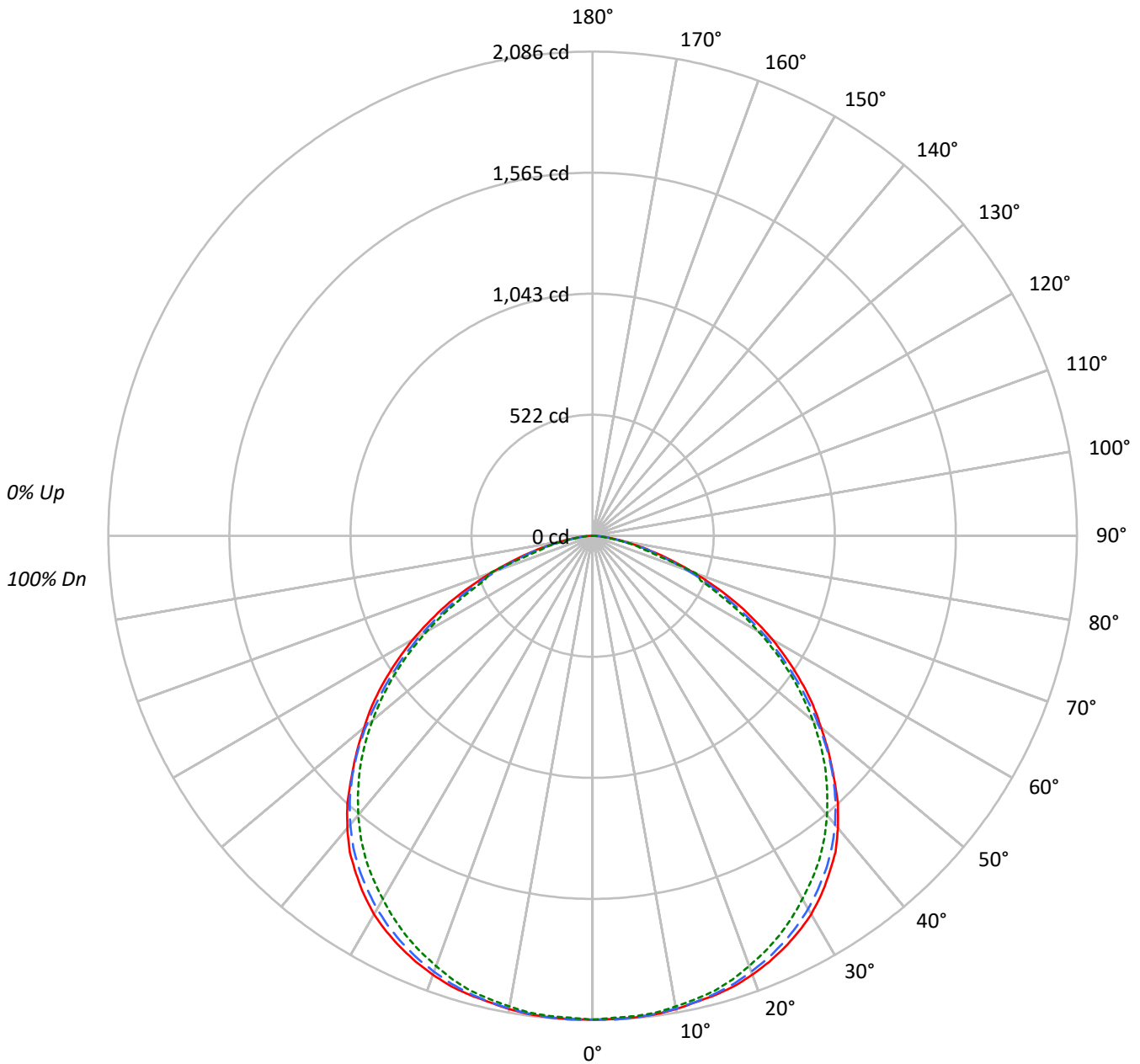
Test Method: LM-79-08  
Report Number: P506026  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2102-132-7)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/26/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: 14PD-60-PL1-L835  
Description: 6000 LUMEN, 1X4 PERCEIVE LED LUMINAIRE WITH LEAVES LENS AND 80 CRI,  
3500K LEDS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5792.8 lumens  
Efficiency: N/A  
Efficacy: 97.7 lumens/watt  
Spacing Criteria (0/90/45): 1.33 / 1.29 / 1.41  
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')  
CIE Type: Direct  
  
Input Watts (W): 59.3  
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	110	105	101	98	107	103	99	96	99	96	93	95	92	90	91	89	87	85				85
2	100	92	86	80	97	90	84	79	87	82	78	84	79	76	81	77	74	72				72
3	91	81	73	67	89	80	72	67	77	71	65	74	69	64	72	67	63	61				61
4	84	72	64	57	82	71	63	57	68	61	56	66	60	55	64	59	55	52				52
5	77	65	56	49	75	63	55	49	61	54	49	59	53	48	58	52	47	45				45
6	71	58	49	43	69	57	49	43	55	48	43	54	47	42	52	46	42	40				40
7	66	53	44	38	64	52	44	38	50	43	38	49	42	37	48	42	37	35				35
8	61	48	40	34	60	47	39	34	46	39	34	45	38	33	44	38	33	31				31
9	57	44	36	31	56	44	36	30	42	35	30	41	35	30	40	34	30	28				28
10	54	41	33	28	53	40	33	28	39	32	27	38	32	27	37	31	27	25				25

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

	0°	45°	90°
0°	5609	5609	5609
5°	5627	5630	5612
10°	5658	5651	5626
15°	5704	5689	5653
20°	5762	5723	5647
25°	5811	5753	5645
30°	5850	5769	5616
35°	5836	5760	5595
40°	5774	5705	5516
45°	5589	5571	5393
50°	5376	5328	5184
55°	5144	4994	4881
60°	4805	4589	4435
65°	4329	4059	3841
70°	3620	3395	3728
75°	2856	2749	2380
80°	2058	1827	1863
85°	1306	1096	1025



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	198.2	3.4
10°-20°	576.0	9.9
20°-30°	890.6	15.4
30°-40°	1090.0	18.8
40°-50°	1117.4	19.3
50°-60°	951.7	16.4
60°-70°	636.0	11.0
70°-80°	281.9	4.9
80°-90°	51.0	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°	1664.8	28.7
0°-40°	2754.8	47.6
0°-60°	4824.0	83.3
0°-90°	5792.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5792.8	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	2084	2084	2084	2084	2084	
5°	2083	2078	2084	2083	2077	198
15°	2048	2041	2042	2036	2029	579
25°	1957	1950	1938	1913	1901	903
35°	1776	1772	1754	1715	1703	1111
45°	1468	1473	1464	1431	1417	1133
55°	1096	1091	1064	1043	1040	978
65°	680	674	638	609	603	670
75°	275	278	264	266	229	297
85°	42	41	36	34	33	56
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	2084.2	2084.2	2084.2	2084.2	2084.2
2.5°	2084.2	2080.8	2086.5	2088.8	2078.5
5°	2083.1	2078.5	2084.2	2083.1	2077.4
7.5°	2079.7	2071.7	2077.4	2075.1	2072.8
10°	2070.5	2063.6	2068.2	2064.8	2059.1
12.5°	2057.9	2053.3	2056.8	2053.3	2045.3
15°	2047.6	2040.8	2041.9	2036.2	2029.3
17.5°	2033.9	2023.6	2023.6	2012.1	2004.1
20°	2012.1	2003.0	1998.4	1982.4	1972.1
22.5°	1987.0	1980.1	1970.9	1950.3	1938.9
25°	1957.2	1950.3	1937.7	1912.6	1901.1
27.5°	1922.9	1913.7	1900.0	1870.2	1856.5
30°	1882.8	1871.4	1856.5	1823.3	1807.3
32.5°	1833.6	1825.6	1806.1	1771.8	1756.9
35°	1776.4	1771.8	1753.5	1714.6	1703.1
37.5°	1718.0	1708.8	1692.8	1651.6	1640.2
40°	1643.6	1637.9	1624.1	1584.1	1570.3
42.5°	1563.5	1560.0	1548.6	1510.8	1495.9
45°	1468.5	1473.1	1463.9	1430.7	1417.0
47.5°	1378.1	1375.8	1372.3	1342.6	1331.1
50°	1284.2	1279.6	1272.8	1248.7	1238.4
52.5°	1196.1	1186.9	1168.6	1148.0	1141.1
55°	1096.5	1090.8	1064.4	1042.7	1040.4
57.5°	995.8	992.3	960.3	935.1	935.1
60°	892.8	888.2	852.7	826.4	824.1
62.5°	785.2	781.7	745.1	715.4	716.5
65°	679.9	674.1	637.5	608.9	603.2
67.5°	570.0	567.7	532.2	505.9	503.6
70°	460.1	460.1	431.5	408.6	473.8
72.5°	362.8	359.4	336.5	326.2	311.3
75°	274.7	278.1	264.4	265.5	228.9
77.5°	195.7	190.0	184.3	171.7	182.0
80°	132.8	129.3	117.9	114.5	120.2
82.5°	82.4	83.6	73.3	66.4	65.2
85°	42.3	41.2	35.5	34.3	33.2
87.5°	16.0	17.2	14.9	13.7	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)