

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: P412350

Luminaire Tested: **14PD-60-PB1-L935**

Issue Date: 9/15/2020



**Test Information**

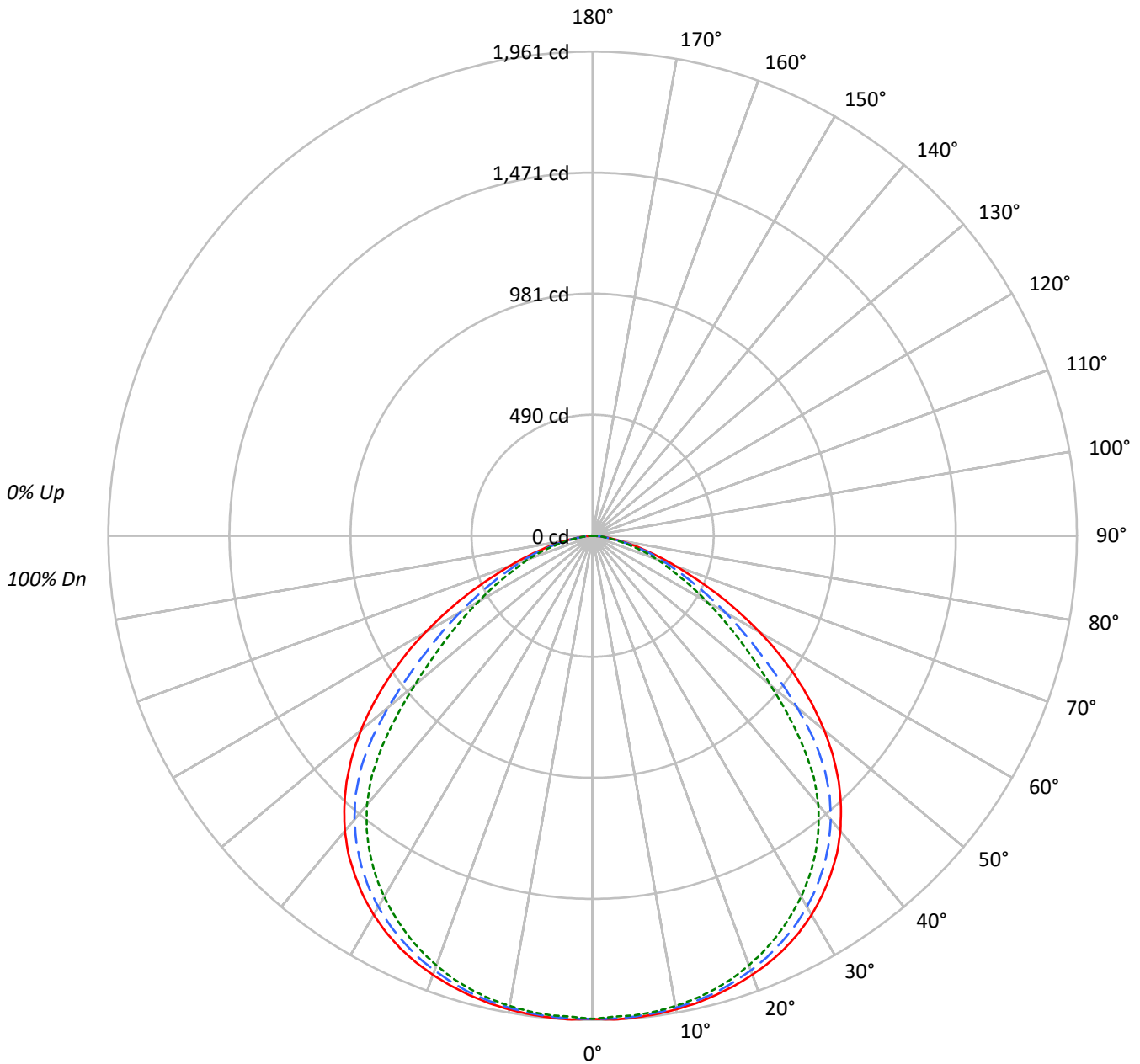
Test Method: LM-79-08  
Report Number: P412350  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2008-911-56)  
Test Lab: INNOVATION CENTER  
Issue Date: 9/15/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: 14PD-60-PB1-L935  
Description: 6000 LUMEN 1X4 PERCEIVE LED TROFFER WITH BEVEL PATTERN OPTICS AND 90 CRI, 3500 CCT LEDS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5043.0 lumens  
Efficiency: N/A  
Efficacy: 85.0 lumens/watt  
Spacing Criteria (0/90/45): 1.34 / 1.28 / 1.38  
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	106	102	99	107	104	100	97	99	96	94	95	93	91	92	90	88	86				86
2	101	93	87	82	98	92	86	81	88	83	79	85	81	77	82	79	76	74				74
3	93	83	75	69	90	81	74	69	78	72	67	76	71	66	73	69	65	63				63
4	85	74	66	59	83	73	65	59	70	63	58	68	62	57	66	61	57	55				55
5	78	66	58	51	76	65	57	51	63	56	51	61	55	50	59	54	50	48				48
6	73	60	51	45	71	59	51	45	57	50	45	56	49	44	54	48	44	42				42
7	67	54	46	40	66	54	46	40	52	45	40	51	44	39	49	44	39	37				37
8	63	50	42	36	61	49	41	36	48	41	36	47	40	35	45	40	35	33				33
9	59	46	38	32	57	45	37	32	44	37	32	43	37	32	42	36	32	30				30
10	55	42	34	29	54	42	34	29	41	34	29	40	33	29	39	33	29	27				27

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

	0°	45°	90°
0°	5265	5265	5265
5°	5291	5280	5267
10°	5323	5305	5284
15°	5366	5338	5299
20°	5418	5365	5301
25°	5473	5386	5285
30°	5510	5393	5247
35°	5514	5363	5165
40°	5482	5270	4994
45°	5362	5041	4586
50°	5125	4515	3931
55°	4746	3871	3356
60°	4215	3323	2869
65°	3538	2835	2457
70°	2805	2410	2166
75°	2193	1966	1723
80°	1633	1466	1323
85°	1084	957	880



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	186.0	3.7
10°-20°	540.6	10.7
20°-30°	834.9	16.6
30°-40°	1016.1	20.1
40°-50°	1005.5	19.9
50°-60°	757.5	15.0
60°-70°	455.2	9.0
70°-80°	205.2	4.1
80°-90°	42.0	0.8
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°	1561.5	31.0
0°-40°	2577.6	51.1
0°-60°	4340.6	86.1
0°-90°	5043.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5043.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1956	1956	1956	1956	1956	
5°	1959	1951	1955	1953	1950	187
15°	1926	1917	1916	1909	1902	545
25°	1843	1829	1814	1790	1780	850
35°	1679	1660	1633	1592	1572	1049
45°	1409	1385	1325	1244	1205	1083
55°	1012	940	825	745	715	901
65°	556	504	445	398	386	552
75°	211	200	189	172	166	230
85°	35	36	31	29	28	45
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1956.4	1956.4	1956.4	1956.4	1956.4
2.5°	1961.4	1953.0	1957.2	1956.4	1949.7
5°	1958.9	1951.4	1954.7	1953.0	1949.7
7.5°	1954.7	1947.2	1949.7	1947.2	1943.8
10°	1948.0	1939.7	1941.3	1936.3	1933.8
12.5°	1938.8	1928.8	1930.4	1923.8	1920.4
15°	1926.3	1917.1	1916.2	1908.7	1902.0
17.5°	1910.4	1901.2	1896.1	1887.8	1880.2
20°	1892.0	1880.2	1873.5	1858.5	1851.0
22.5°	1870.2	1857.6	1846.8	1825.8	1818.3
25°	1843.4	1829.2	1814.1	1789.9	1779.8
27.5°	1810.8	1795.7	1778.2	1751.4	1736.3
30°	1773.1	1757.2	1735.5	1704.5	1688.6
32.5°	1728.8	1711.2	1687.8	1651.0	1634.2
35°	1678.6	1660.2	1632.6	1592.4	1572.3
37.5°	1624.2	1603.3	1570.6	1522.1	1502.0
40°	1560.6	1539.7	1500.3	1444.3	1421.7
42.5°	1488.6	1467.7	1420.0	1353.1	1325.5
45°	1409.1	1384.9	1324.6	1243.5	1205.0
47.5°	1320.4	1289.5	1210.8	1111.2	1072.7
50°	1224.2	1183.2	1078.6	976.5	938.9
52.5°	1119.6	1067.7	947.2	856.0	820.0
55°	1011.7	940.5	825.1	744.7	715.4
57.5°	899.5	814.2	718.0	647.7	620.1
60°	783.2	700.4	617.5	553.1	533.0
62.5°	664.4	596.6	528.0	468.6	457.7
65°	555.6	503.7	445.2	398.3	385.8
67.5°	446.0	416.7	371.5	339.7	325.5
70°	356.5	337.2	306.3	280.3	275.3
72.5°	278.6	266.1	254.4	231.8	222.6
75°	210.9	200.0	189.1	171.5	165.7
77.5°	152.3	148.1	138.9	127.2	124.7
80°	105.4	105.4	94.6	87.9	85.4
82.5°	65.3	71.1	59.4	55.2	52.7
85°	35.1	36.0	31.0	29.3	28.5
87.5°	13.4	15.1	14.2	11.7	11.7
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)