

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: P412694

Luminaire Tested: **14PD-60-PP3-L950**

Issue Date: 9/15/2020



**Test Information**

Test Method: LM-79-08  
Report Number: P412694  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2008-911-47)  
Test Lab: INNOVATION CENTER  
Issue Date: 9/15/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: 14PD-60-PP3-L950  
Description: 6000 LUMEN 1X4 PERCEIVE LED TROFFER WITH PRISM PATTERN OPTICS AND 90 CRI, 5000 CCT LEDS  
Light Source: -  
Ballast/Driver: -

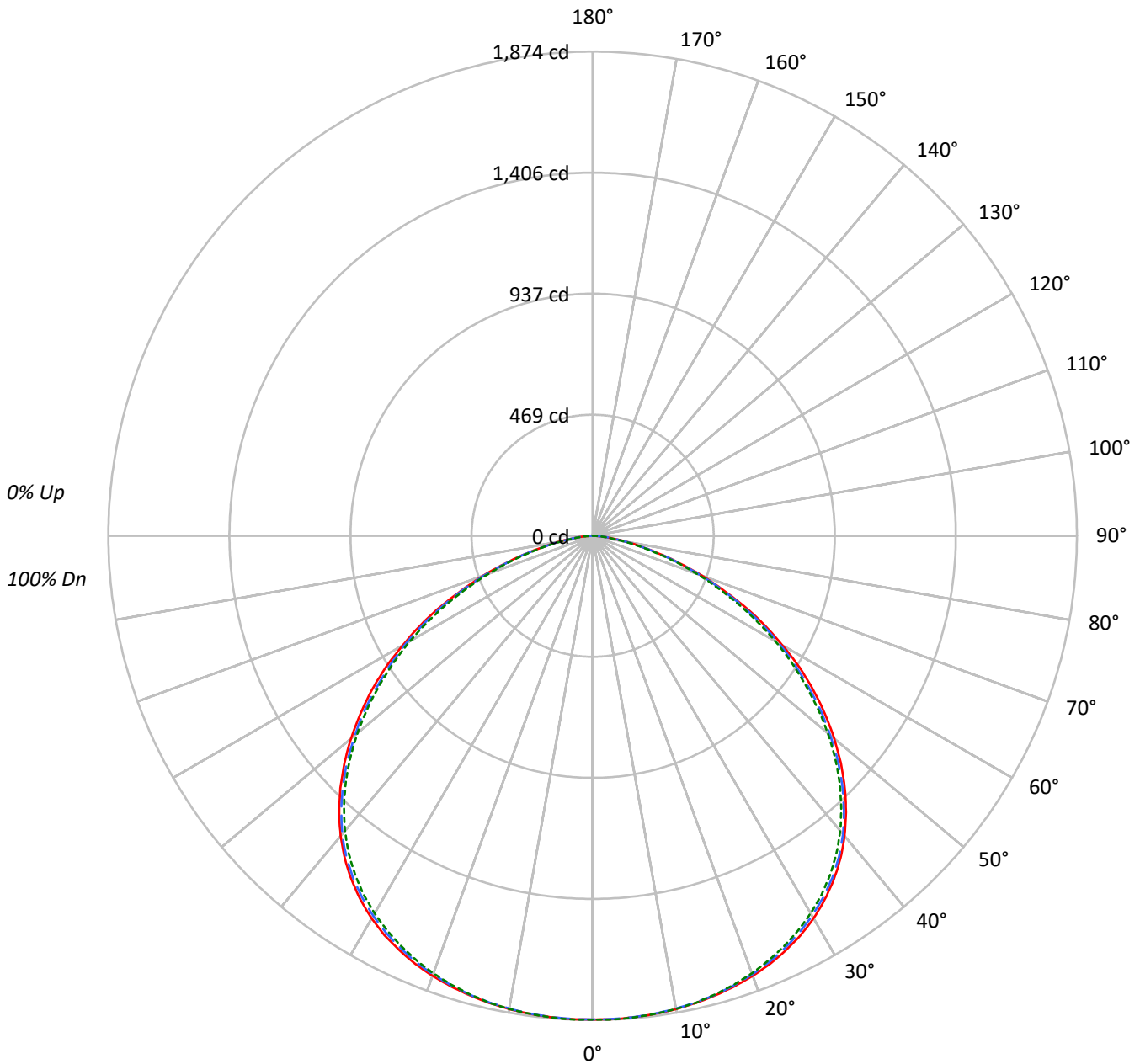
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5448.0 lumens  
Efficiency: N/A  
Efficacy: 91.9 lumens/watt  
Spacing Criteria (0/90/45): 1.35 / 1.33 / 1.43  
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				
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			
1	109	105	101	97	107	103	99	96	98	95	93	95	92	90	91	89	87	85			
2	100	92	85	80	97	90	84	79	86	81	77	83	79	75	80	77	74	71			
3	91	81	73	66	89	79	72	66	76	70	65	73	68	64	71	66	63	60			
4	83	72	63	56	81	70	62	56	68	61	55	65	59	54	63	58	54	52			
5	77	64	55	49	75	63	54	48	61	53	48	59	52	47	57	51	47	45			
6	71	58	49	42	69	57	48	42	55	47	42	53	46	41	52	46	41	39			
7	66	52	43	37	64	51	43	37	50	42	37	48	42	37	47	41	36	34			
8	61	47	39	33	59	47	39	33	45	38	33	44	38	33	43	37	32	31			
9	57	44	35	30	55	43	35	30	42	35	30	41	34	29	40	34	29	27			
10	53	40	32	27	52	40	32	27	39	32	27	38	31	27	37	31	27	25			

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

	0°	45°	90°
0°	5038	5038	5038
5°	5052	5050	5053
10°	5083	5078	5082
15°	5128	5120	5117
20°	5190	5173	5161
25°	5255	5228	5203
30°	5314	5276	5243
35°	5342	5310	5262
40°	5328	5296	5237
45°	5252	5200	5143
50°	5108	5026	4973
55°	4897	4779	4718
60°	4562	4483	4392
65°	4136	4052	3934
70°	3530	3465	3354
75°	2756	2728	2598
80°	2033	1949	1839
85°	1226	1226	1142



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	178.1	3.3
10°-20°	519.8	9.5
20°-30°	812.5	14.9
30°-40°	1009.7	18.5
40°-50°	1052.1	19.3
50°-60°	912.9	16.8
60°-70°	627.7	11.5
70°-80°	283.3	5.2
80°-90°	51.9	1.0
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°	1510.4	27.7
0°-40°	2520.1	46.3
0°-60°	4485.1	82.3
0°-90°	5448.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5448.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1872	1872	1872	1872	1872	
5°	1870	1871	1870	1868	1871	178
15°	1841	1841	1838	1836	1837	521
25°	1770	1769	1761	1754	1752	817
35°	1626	1626	1616	1607	1602	1016
45°	1380	1381	1366	1356	1351	1062
55°	1044	1038	1019	1007	1006	930
65°	650	647	636	621	618	641
75°	265	266	262	255	250	289
85°	40	39	40	39	37	54
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1872.3	1872.3	1872.3	1872.3	1872.3
2.5°	1872.9	1872.9	1871.8	1870.1	1874.0
5°	1870.1	1870.7	1869.6	1868.0	1870.7
7.5°	1866.3	1866.9	1865.2	1863.6	1865.8
10°	1860.3	1859.8	1858.2	1857.1	1859.8
12.5°	1851.6	1851.1	1849.5	1848.4	1850.5
15°	1840.7	1840.7	1838.0	1836.4	1836.9
17.5°	1827.7	1827.7	1823.9	1820.1	1821.1
20°	1812.4	1811.9	1806.4	1802.6	1802.1
22.5°	1793.4	1793.4	1785.8	1780.9	1779.2
25°	1770.0	1769.4	1760.7	1753.6	1752.5
27.5°	1743.3	1742.2	1731.9	1724.8	1722.1
30°	1710.1	1709.0	1698.1	1690.5	1687.2
32.5°	1670.9	1672.5	1660.0	1651.3	1648.0
35°	1626.2	1626.2	1616.4	1607.2	1601.7
37.5°	1575.1	1575.1	1565.8	1556.5	1550.0
40°	1516.8	1517.3	1507.5	1496.1	1490.7
42.5°	1451.5	1452.6	1439.5	1430.2	1424.2
45°	1380.1	1380.7	1366.5	1356.2	1351.3
47.5°	1302.8	1301.7	1286.0	1277.2	1272.3
50°	1220.1	1217.9	1200.5	1192.3	1188.0
52.5°	1133.5	1129.2	1113.9	1101.9	1098.1
55°	1043.7	1037.7	1018.6	1006.7	1005.6
57.5°	950.0	943.0	927.2	915.7	911.4
60°	847.7	846.1	833.0	819.4	816.1
62.5°	751.9	747.0	735.5	719.2	717.6
65°	649.5	646.8	636.4	621.2	617.9
67.5°	543.9	546.6	537.9	524.3	519.9
70°	448.6	450.2	440.4	427.9	426.3
72.5°	352.8	355.5	347.4	339.2	337.6
75°	265.1	266.2	262.4	255.3	249.9
77.5°	188.4	192.2	187.8	182.9	178.6
80°	131.2	125.2	125.8	123.6	118.7
82.5°	78.9	76.2	75.7	73.5	71.3
85°	39.7	39.2	39.7	39.2	37.0
87.5°	13.1	14.2	14.7	14.7	13.6
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)