

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: P412348

Luminaire Tested: **14PD-60-PB1-L927**

Issue Date: 9/15/2020



**Test Information**

Test Method: LM-79-08  
Report Number: P412348  
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-L927  
Description: 6000 LUMEN 1X4 PERCEIVE LED TROFFER WITH BEVEL PATTERN OPTICS AND 90 CRI, 2700 CCT LEDS  
Light Source: -  
Ballast/Driver: -

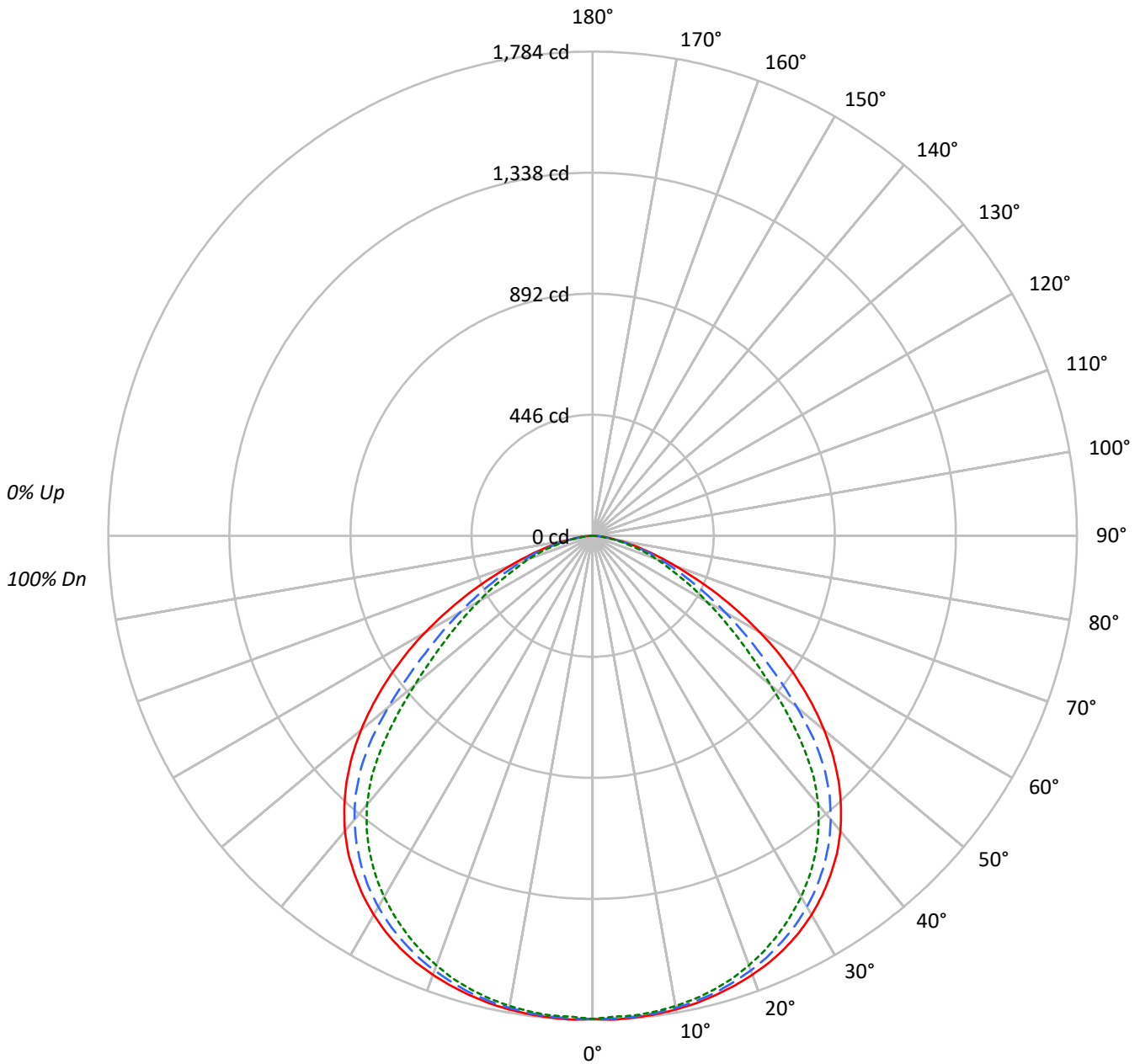
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4588.0 lumens  
Efficiency: N/A  
Efficacy: 77.4 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									
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	106	102	99	107	104	100	97	99	96	94	95	93	91	92	90	88	86																			
2	101	93	87	82	98	92	86	81	88	83	79	85	81	77	82	79	76	74																			
3	93	83	75	69	90	81	74	69	78	72	67	76	71	66	73	69	65	63																			
4	85	74	66	59	83	73	65	59	70	63	58	68	62	57	66	61	57	55																			
5	78	66	58	51	76	65	57	51	63	56	51	61	55	50	59	54	50	48																			
6	73	60	51	45	71	59	51	45	57	50	45	56	49	44	54	48	44	42																			
7	67	54	46	40	66	54	46	40	52	45	40	51	44	39	49	44	39	37																			
8	63	50	42	36	61	49	41	36	48	41	36	47	40	35	45	40	35	33																			
9	59	46	38	32	57	45	37	32	44	37	32	43	37	32	42	36	32	30																			
10	55	42	34	29	54	42	34	29	41	34	29	40	33	29	39	33	29	27																			

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

	0°	45°	90°
0°	4790	4790	4790
5°	4814	4804	4791
10°	4843	4826	4807
15°	4882	4857	4821
20°	4929	4881	4822
25°	4980	4901	4808
30°	5013	4906	4774
35°	5017	4879	4699
40°	4988	4795	4543
45°	4879	4586	4172
50°	4663	4108	3576
55°	4318	3521	3054
60°	3835	3024	2610
65°	3219	2579	2235
70°	2552	2192	1971
75°	1994	1788	1567
80°	1486	1333	1204
85°	988	871	800



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	169.2	3.7
10°-20°	491.8	10.7
20°-30°	759.5	16.6
30°-40°	924.4	20.1
40°-50°	914.8	19.9
50°-60°	689.2	15.0
60°-70°	414.1	9.0
70°-80°	186.7	4.1
80°-90°	38.2	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°	1420.6	31.0
0°-40°	2345.0	51.1
0°-60°	3949.0	86.1
0°-90°	4588.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4588.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1780	1780	1780	1780	1780	
5°	1782	1775	1778	1777	1774	170
15°	1752	1744	1743	1736	1730	495
25°	1677	1664	1650	1628	1619	773
35°	1527	1510	1485	1449	1430	955
45°	1282	1260	1205	1131	1096	985
55°	920	856	751	678	651	820
65°	506	458	405	362	351	502
75°	192	182	172	156	151	209
85°	32	33	28	27	26	41
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1779.9	1779.9	1779.9	1779.9	1779.9
2.5°	1784.4	1776.8	1780.6	1779.9	1773.8
5°	1782.2	1775.3	1778.3	1776.8	1773.8
7.5°	1778.3	1771.5	1773.8	1771.5	1768.5
10°	1772.3	1764.6	1766.2	1761.6	1759.3
12.5°	1763.9	1754.8	1756.3	1750.2	1747.1
15°	1752.5	1744.1	1743.3	1736.5	1730.4
17.5°	1738.0	1729.6	1725.1	1717.4	1710.6
20°	1721.3	1710.6	1704.5	1690.8	1684.0
22.5°	1701.5	1690.0	1680.1	1661.1	1654.3
25°	1677.1	1664.2	1650.5	1628.4	1619.2
27.5°	1647.4	1633.7	1617.7	1593.4	1579.7
30°	1613.2	1598.7	1578.9	1550.7	1536.3
32.5°	1572.8	1556.8	1535.5	1502.0	1486.8
35°	1527.1	1510.4	1485.3	1448.7	1430.4
37.5°	1477.6	1458.6	1428.9	1384.8	1366.5
40°	1419.8	1400.8	1365.0	1314.0	1293.4
42.5°	1354.3	1335.3	1291.9	1231.0	1205.9
45°	1282.0	1259.9	1205.1	1131.3	1096.2
47.5°	1201.3	1173.1	1101.6	1011.0	976.0
50°	1113.8	1076.4	981.3	888.4	854.2
52.5°	1018.6	971.4	861.8	778.8	746.1
55°	920.4	855.7	750.6	677.5	650.9
57.5°	818.4	740.7	653.2	589.2	564.1
60°	712.6	637.2	561.8	503.2	484.9
62.5°	604.5	542.8	480.4	426.3	416.4
65°	505.5	458.3	405.0	362.4	351.0
67.5°	405.8	379.1	338.0	309.1	296.1
70°	324.3	306.8	278.6	255.0	250.5
72.5°	253.5	242.1	231.4	210.9	202.5
75°	191.8	181.9	172.0	156.1	150.7
77.5°	138.6	134.7	126.4	115.7	113.4
80°	95.9	95.9	86.0	79.9	77.7
82.5°	59.4	64.7	54.1	50.2	48.0
85°	32.0	32.7	28.2	26.6	25.9
87.5°	12.2	13.7	12.9	10.7	10.7
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)