

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: P412351

Luminaire Tested: **14PD-60-PB1-L940**

Issue Date: 9/15/2020



**Test Information**

Test Method: LM-79-08  
Report Number: P412351  
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-L940  
Description: 6000 LUMEN 1X4 PERCEIVE LED TROFFER WITH BEVEL PATTERN OPTICS AND 90 CRI, 4000 CCT LEDS  
Light Source: -  
Ballast/Driver: -

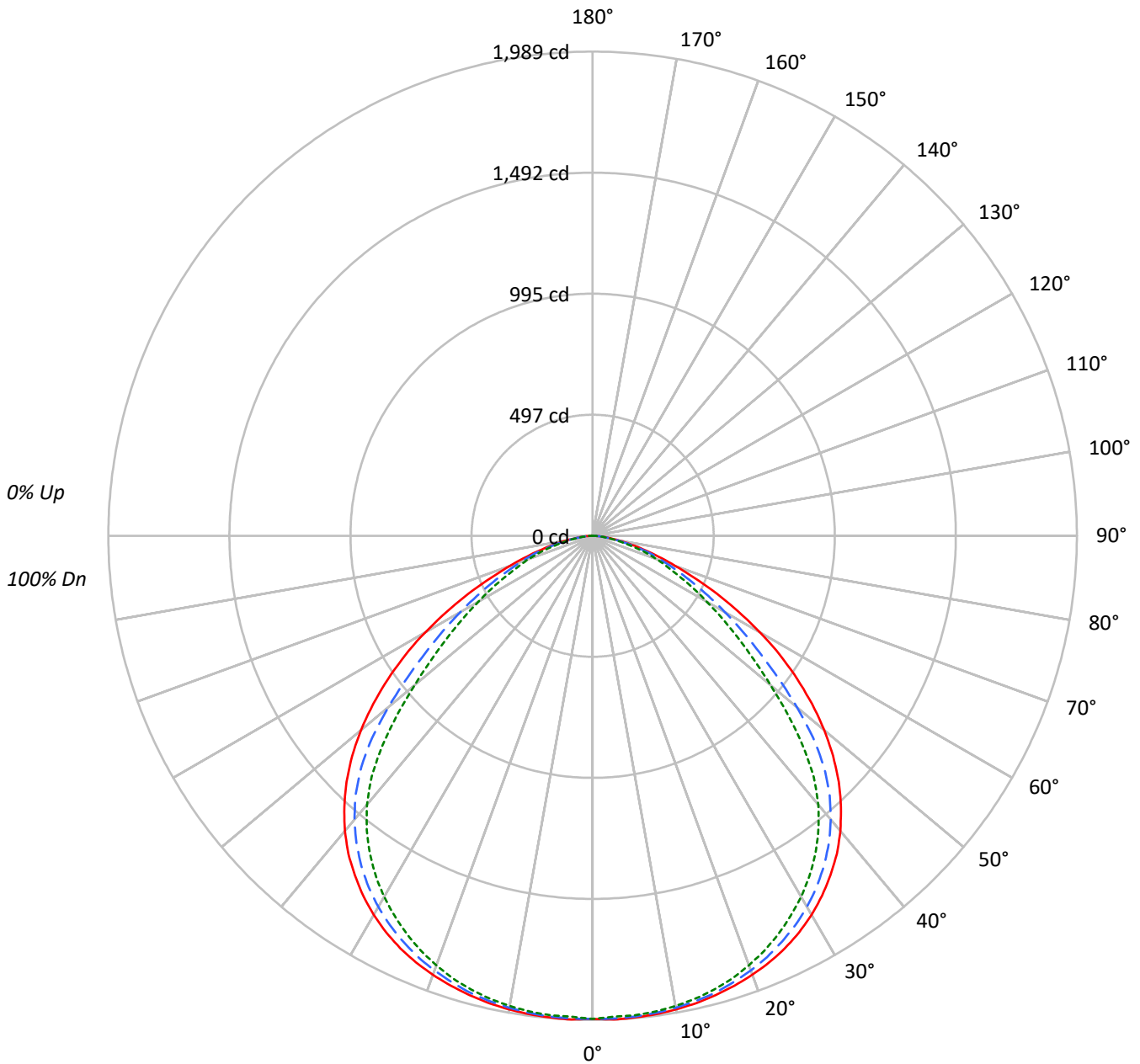
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5115.0 lumens  
Efficiency: N/A  
Efficacy: 86.3 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°	5340	5340	5340
5°	5367	5356	5342
10°	5399	5380	5360
15°	5443	5415	5375
20°	5495	5442	5376
25°	5551	5463	5360
30°	5588	5470	5322
35°	5593	5440	5239
40°	5560	5346	5065
45°	5439	5113	4651
50°	5198	4580	3987
55°	4814	3926	3405
60°	4275	3371	2909
65°	3589	2875	2492
70°	2845	2444	2197
75°	2224	1994	1747
80°	1657	1486	1342
85°	1099	969	892



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	188.7	3.7
10°-20°	548.3	10.7
20°-30°	846.8	16.6
30°-40°	1030.6	20.1
40°-50°	1019.8	19.9
50°-60°	768.4	15.0
60°-70°	461.7	9.0
70°-80°	208.1	4.1
80°-90°	42.6	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°	1583.8	31.0
0°-40°	2614.4	51.1
0°-60°	4402.6	86.1
0°-90°	5115.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5115.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1984	1984	1984	1984	1984	
5°	1987	1979	1983	1981	1978	189
15°	1954	1944	1944	1936	1929	552
25°	1870	1855	1840	1815	1805	862
35°	1702	1684	1656	1615	1595	1064
45°	1429	1405	1344	1261	1222	1098
55°	1026	954	837	755	726	914
65°	564	511	452	404	391	560
75°	214	203	192	174	168	233
85°	36	36	31	30	29	46
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1984.3	1984.3	1984.3	1984.3	1984.3
2.5°	1989.4	1980.9	1985.2	1984.3	1977.5
5°	1986.9	1979.2	1982.6	1980.9	1977.5
7.5°	1982.6	1975.0	1977.5	1975.0	1971.6
10°	1975.8	1967.3	1969.0	1963.9	1961.4
12.5°	1966.5	1956.3	1958.0	1951.2	1947.8
15°	1953.8	1944.4	1943.6	1935.9	1929.2
17.5°	1937.6	1928.3	1923.2	1914.7	1907.1
20°	1919.0	1907.1	1900.3	1885.0	1877.4
22.5°	1896.9	1884.2	1873.1	1851.9	1844.3
25°	1869.7	1855.3	1840.0	1815.4	1805.2
27.5°	1836.6	1821.4	1803.5	1776.4	1761.1
30°	1798.4	1782.3	1760.3	1728.9	1712.7
32.5°	1753.5	1735.6	1711.9	1674.5	1657.6
35°	1702.5	1683.9	1655.9	1615.1	1594.8
37.5°	1647.4	1626.2	1593.1	1543.8	1523.5
40°	1582.9	1561.7	1521.8	1464.9	1442.0
42.5°	1509.9	1488.7	1440.3	1372.4	1344.4
45°	1429.3	1404.6	1343.5	1261.2	1222.2
47.5°	1339.3	1307.9	1228.1	1127.1	1088.1
50°	1241.7	1200.1	1094.0	990.5	952.3
52.5°	1135.6	1083.0	960.8	868.2	831.7
55°	1026.1	954.0	836.8	755.4	725.7
57.5°	912.4	825.8	728.2	656.9	628.9
60°	794.4	710.4	626.4	561.0	540.6
62.5°	673.9	605.1	535.5	475.3	464.3
65°	563.6	510.9	451.5	404.0	391.3
67.5°	452.4	422.7	376.8	344.6	330.2
70°	361.6	342.0	310.6	284.3	279.2
72.5°	282.6	269.9	258.0	235.1	225.8
75°	213.9	202.8	191.8	174.0	168.0
77.5°	154.5	150.2	140.9	129.0	126.5
80°	106.9	106.9	95.9	89.1	86.6
82.5°	66.2	72.1	60.3	56.0	53.5
85°	35.6	36.5	31.4	29.7	28.9
87.5°	13.6	15.3	14.4	11.9	11.9
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)