

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: P737955

Luminaire Tested: **14PT-70-PL1-L930**

Issue Date: 2/8/2024



**Test Information**

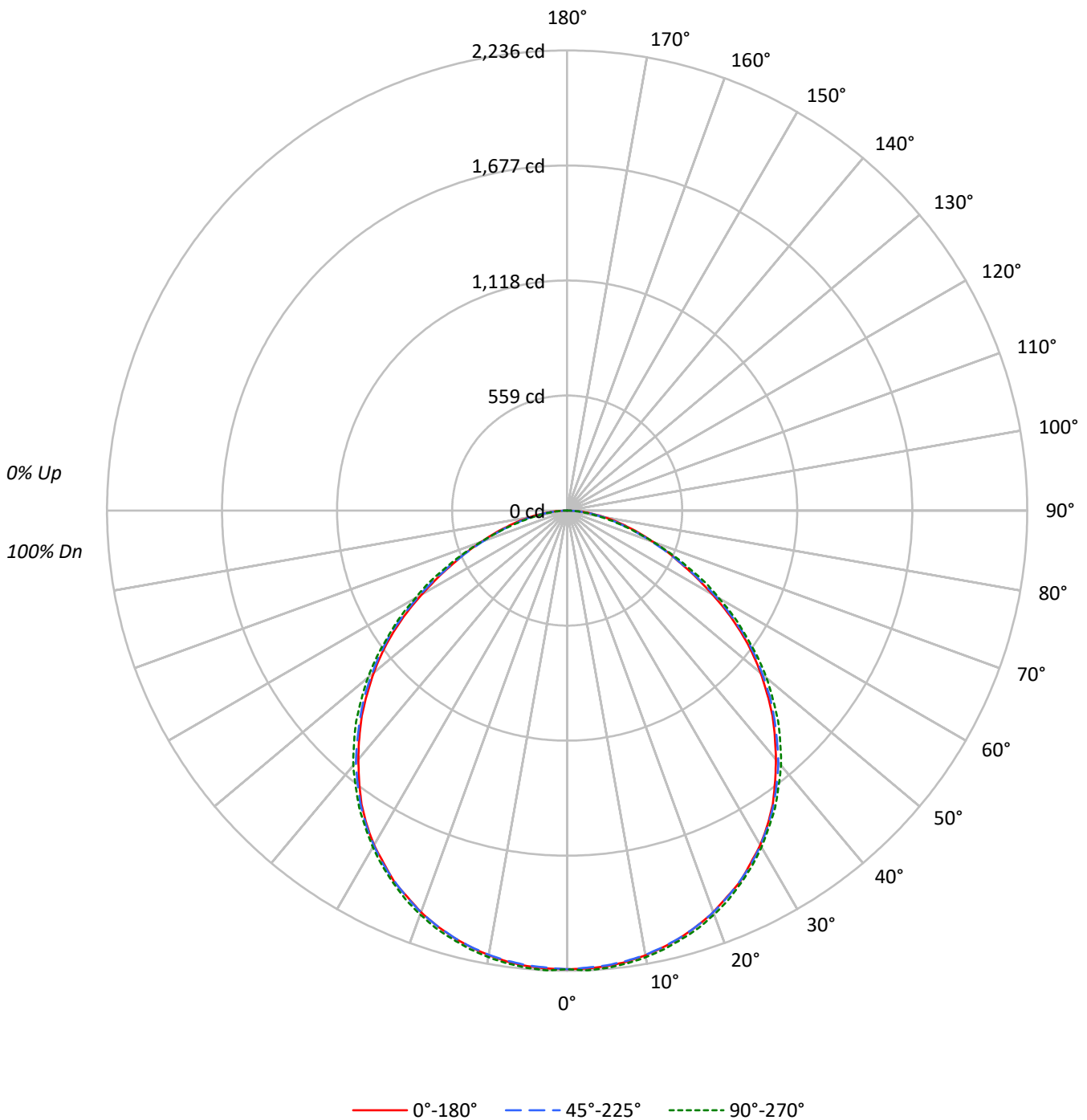
Test Method: LM-79-08  
Report Number: P737955  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2211-846-10)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 2/8/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: 14PT-70-PL1-L930  
Description: 7000 LUMEN 1X4 PERCEIVE PT TROFFER WITH 3000K, 90 CRI LEDS AND LEAVES LENS  
  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5875.0 lumens  
Efficiency: N/A  
Efficacy: 93.7 lumens/watt  
Spacing Criteria (0/90/45): 1.25 / 1.26 / 1.35  
Luminous Opening: Rectangular (W 0.92' x L: 3.92' x H: 0')  
CIE Type: Direct  
  
Input Watts (W): 62.7  
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	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	94	92	90	91	89	87	85
2	100	92	86	80	97	90	84	79	87	82	77	83	79	75	80	77	74	72
3	91	81	73	67	89	80	72	66	77	70	65	74	69	64	71	67	63	61
4	84	72	64	57	82	71	63	57	68	61	56	66	60	55	64	59	55	52
5	77	65	56	49	75	64	55	49	61	54	49	60	53	48	58	52	48	46
6	71	58	50	43	69	57	49	43	56	48	43	54	47	42	52	47	42	40
7	66	53	44	38	65	52	44	38	51	43	38	49	43	38	48	42	37	35
8	62	48	40	34	60	48	40	34	46	39	34	45	39	34	44	38	34	32
9	58	44	36	31	56	44	36	31	43	36	31	42	35	30	41	35	30	29
10	54	41	33	28	53	41	33	28	40	33	28	39	32	28	38	32	28	26

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

	0°	45°	90°
0°	6682	6682	6682
5°	6687	6675	6712
10°	6679	6672	6709
15°	6659	6656	6689
20°	6626	6626	6663
25°	6580	6572	6608
30°	6498	6506	6538
35°	6374	6398	6450
40°	6176	6247	6328
45°	5983	6033	6148
50°	5719	5781	5896
55°	5386	5473	5537
60°	4887	4991	5115
65°	4341	4388	4564
70°	3880	3800	3895
75°	3501	3300	3233
80°	3179	2951	2623
85°	2697	2442	2102



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	211.4	3.6
10°-20°	606.4	10.3
20°-30°	917.2	15.6
30°-40°	1093.3	18.6
40°-50°	1099.4	18.7
50°-60°	933.0	15.9
60°-70°	621.2	10.6
70°-80°	310.2	5.3
80°-90°	83.0	1.4
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°	1735.0	29.5
0°-40°	2828.2	48.1
0°-60°	4860.6	82.7
0°-90°	5875.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5875.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	2229	2229	2229	2229	2229	
5°	2222	2223	2218	2228	2230	211
15°	2145	2148	2144	2154	2155	605
25°	1989	1989	1987	1996	1998	915
35°	1742	1743	1748	1760	1762	1086
45°	1411	1414	1423	1442	1450	1086
55°	1030	1038	1047	1057	1059	918
65°	612	617	618	628	643	613
75°	302	298	285	278	279	325
85°	78	77	71	67	61	91
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	2228.7	2228.7	2228.7	2228.7	2228.7
2.5°	2227.0	2228.7	2222.9	2233.7	2236.1
5°	2222.1	2222.9	2218.0	2227.9	2230.4
7.5°	2211.4	2212.2	2207.2	2218.0	2219.6
10°	2194.0	2195.7	2191.5	2201.5	2203.9
12.5°	2171.7	2174.2	2170.1	2180.8	2182.5
15°	2145.3	2147.8	2144.5	2153.6	2155.2
17.5°	2113.1	2114.7	2113.1	2121.4	2126.3
20°	2076.8	2076.8	2076.8	2084.2	2088.3
22.5°	2031.3	2035.5	2033.8	2043.7	2047.9
25°	1989.2	1989.2	1986.8	1995.8	1997.5
27.5°	1930.6	1937.2	1936.4	1944.6	1946.3
30°	1876.9	1878.6	1879.4	1885.2	1888.5
32.5°	1811.7	1813.3	1815.8	1824.1	1824.9
35°	1741.5	1743.2	1748.1	1760.5	1762.2
37.5°	1659.8	1668.8	1673.0	1686.2	1687.8
40°	1578.0	1583.8	1596.2	1610.2	1616.8
42.5°	1494.6	1501.2	1508.6	1527.6	1533.4
45°	1411.2	1413.7	1422.8	1441.8	1450.0
47.5°	1318.7	1326.2	1334.4	1350.9	1355.9
50°	1226.2	1234.5	1239.5	1254.3	1264.2
52.5°	1132.9	1140.4	1146.1	1155.2	1165.1
55°	1030.5	1038.0	1047.1	1057.0	1059.4
57.5°	926.5	934.7	940.5	951.3	962.0
60°	815.0	824.1	832.4	842.3	853.0
62.5°	711.0	715.1	723.4	739.9	755.6
65°	611.9	616.8	618.5	627.6	643.3
67.5°	529.3	529.3	521.9	525.2	542.5
70°	442.6	439.3	433.5	430.2	444.3
72.5°	372.4	368.3	355.9	350.1	357.6
75°	302.2	298.1	284.9	278.3	279.1
77.5°	242.8	236.2	225.4	213.9	211.4
80°	184.1	181.7	170.9	160.2	151.9
82.5°	130.5	124.7	118.9	112.3	105.7
85°	78.4	76.8	71.0	66.9	61.1
87.5°	32.2	32.2	30.6	28.9	27.2
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)