

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: P737957

Luminaire Tested: **14PT-70-PL1-L940**

Issue Date: 2/8/2024



**Test Information**

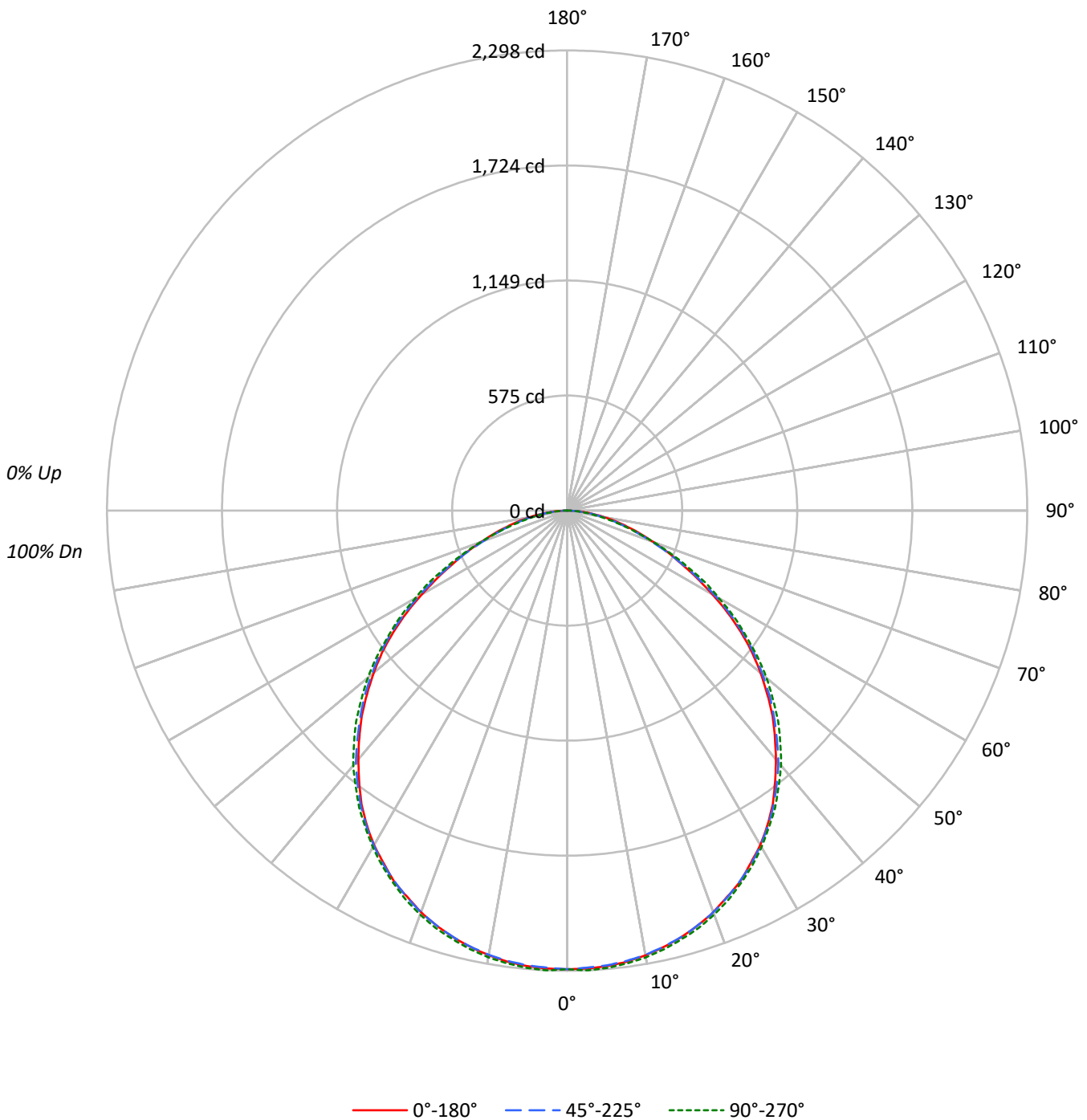
Test Method: LM-79-08  
Report Number: P737957  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2211-846-10)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 2/8/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: 14PT-70-PL1-L940  
Description: 7000 LUMEN 1X4 PERCEIVE PT TROFFER WITH 4000K, 90 CRI LEDS AND LEAVES LENS  
  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 6038.0 lumens  
Efficiency: N/A  
Efficacy: 96.3 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°	6867	6867	6867
5°	6873	6860	6898
10°	6865	6857	6896
15°	6843	6841	6875
20°	6810	6810	6848
25°	6763	6755	6791
30°	6678	6687	6719
35°	6551	6576	6628
40°	6347	6420	6503
45°	6150	6200	6318
50°	5878	5941	6060
55°	5536	5625	5691
60°	5022	5130	5257
65°	4461	4509	4690
70°	3988	3905	4002
75°	3598	3392	3322
80°	3268	3033	2697
85°	2773	2511	2160



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	217.3	3.6
10°-20°	623.2	10.3
20°-30°	942.6	15.6
30°-40°	1123.6	18.6
40°-50°	1129.9	18.7
50°-60°	958.9	15.9
60°-70°	638.4	10.6
70°-80°	318.8	5.3
80°-90°	85.3	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°	1783.1	29.5
0°-40°	2906.7	48.1
0°-60°	4995.4	82.7
0°-90°	6038.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6038.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	2290	2290	2290	2290	2290	
5°	2284	2285	2280	2290	2292	217
15°	2205	2207	2204	2213	2215	622
25°	2044	2044	2042	2051	2053	940
35°	1790	1792	1797	1809	1811	1116
45°	1450	1453	1462	1482	1490	1116
55°	1059	1067	1076	1086	1089	944
65°	629	634	636	645	661	630
75°	311	306	293	286	287	334
85°	81	79	73	69	63	93
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	2290.5	2290.5	2290.5	2290.5	2290.5
2.5°	2288.8	2290.5	2284.6	2295.6	2298.2
5°	2283.7	2284.6	2279.5	2289.7	2292.2
7.5°	2272.7	2273.6	2268.5	2279.5	2281.2
10°	2254.9	2256.6	2252.3	2262.5	2265.1
12.5°	2232.0	2234.5	2230.3	2241.3	2243.0
15°	2204.8	2207.4	2204.0	2213.3	2215.0
17.5°	2171.7	2173.4	2171.7	2180.2	2185.3
20°	2134.4	2134.4	2134.4	2142.0	2146.3
22.5°	2087.7	2091.9	2090.3	2100.4	2104.7
25°	2044.4	2044.4	2041.9	2051.2	2052.9
27.5°	1984.2	1991.0	1990.1	1998.6	2000.3
30°	1929.0	1930.7	1931.6	1937.5	1940.9
32.5°	1862.0	1863.7	1866.2	1874.7	1875.5
35°	1789.8	1791.5	1796.6	1809.3	1811.0
37.5°	1705.8	1715.1	1719.4	1733.0	1734.7
40°	1621.8	1627.7	1640.5	1654.9	1661.7
42.5°	1536.1	1542.9	1550.5	1570.0	1576.0
45°	1450.4	1452.9	1462.2	1481.8	1490.2
47.5°	1355.3	1362.9	1371.4	1388.4	1393.5
50°	1260.3	1268.7	1273.8	1289.1	1299.3
52.5°	1164.4	1172.0	1177.9	1187.3	1197.5
55°	1059.1	1066.8	1076.1	1086.3	1088.8
57.5°	952.2	960.7	966.6	977.7	988.7
60°	837.6	847.0	855.5	865.6	876.7
62.5°	730.7	734.9	743.4	760.4	776.5
65°	628.9	633.9	635.6	645.0	661.1
67.5°	544.0	544.0	536.4	539.7	557.6
70°	454.9	451.5	445.5	442.2	456.6
72.5°	382.7	378.5	365.8	359.8	367.5
75°	310.6	306.4	292.8	286.0	286.8
77.5°	249.5	242.7	231.7	219.8	217.3
80°	189.3	186.7	175.7	164.6	156.2
82.5°	134.1	128.1	122.2	115.4	108.6
85°	80.6	78.9	73.0	68.7	62.8
87.5°	33.1	33.1	31.4	29.7	28.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)