

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: P737946

Luminaire Tested: **14PT-70-PC3-L850**

Issue Date: 2/8/2024



**Test Information**

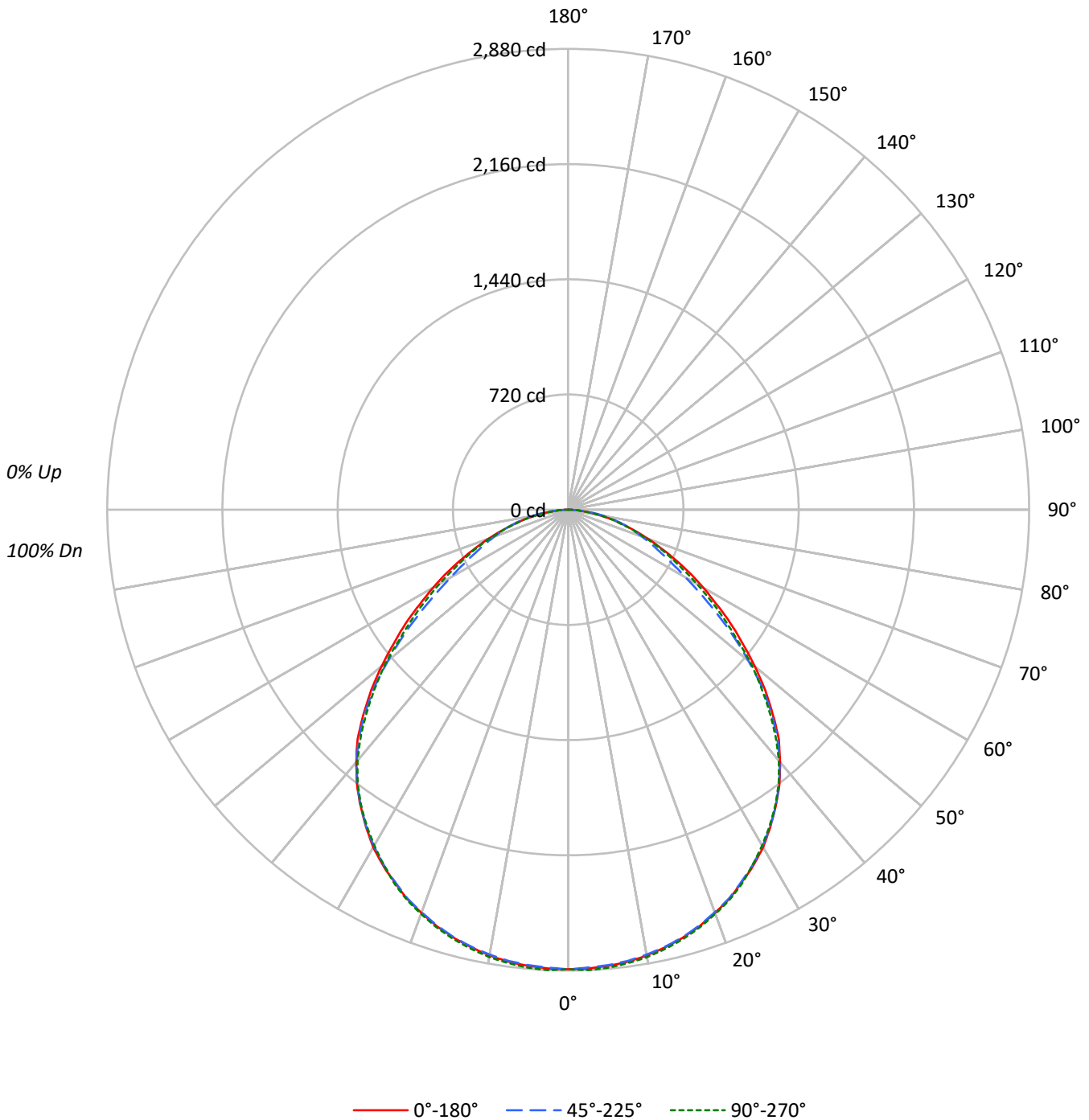
Test Method: LM-79-08  
Report Number: P737946  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2211-846-7)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 2/8/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: 14PT-70-PC3-L850  
Description: 7000 LUMEN 1X4 PERCEIVE PT TROFFER WITH 5000K, 80 CRI LEDS AND PARAMID LENS  
  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 7240.0 lumens  
Efficiency: N/A  
Efficacy: 115.5 lumens/watt  
Spacing Criteria (0/90/45): 1.26 / 1.25 / 1.34  
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

TEST NUMBER: P737946  
CATALOG NUMBER: 14PT-70-PC3-L850

### Luminous Intensity Polar Plot





TEST NUMBER: P737946

CATALOG NUMBER: 14PT-70-PC3-L850

**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	110	105	101	98	107	103	99	96	99	96	93	95	92	90	91	89	87	85
2	100	93	86	81	98	91	85	80	87	82	78	84	80	76	81	78	75	72
3	92	82	74	68	90	80	73	68	77	71	66	75	70	65	72	68	64	62
4	85	73	65	58	82	72	64	58	69	63	57	67	61	56	65	60	56	54
5	78	66	57	51	76	65	56	50	62	55	50	61	54	49	59	53	49	47
6	72	59	51	45	70	58	50	44	57	49	44	55	49	44	53	48	43	41
7	67	54	46	40	65	53	45	39	52	44	39	50	44	39	49	43	39	37
8	62	49	41	35	61	49	41	35	47	40	35	46	40	35	45	39	35	33
9	58	45	37	32	57	45	37	32	44	37	32	43	36	32	42	36	31	30
10	55	42	34	29	54	41	34	29	40	34	29	40	33	29	39	33	29	27

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

	0°	45°	90°
0°	8610	8610	8610
5°	8612	8597	8646
10°	8612	8596	8643
15°	8592	8582	8621
20°	8553	8540	8576
25°	8495	8481	8515
30°	8431	8402	8388
35°	8278	8270	8255
40°	8060	8048	8012
45°	7665	7608	7530
50°	7095	6855	6932
55°	6475	5949	6217
60°	5838	5075	5567
65°	5217	4539	5006
70°	4628	4294	4502
75°	4093	4164	4009
80°	3529	3973	3512
85°	2649	3144	2649



TEST NUMBER: P737946

CATALOG NUMBER: 14PT-70-PC3-L850

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	272.4	3.8
10°-20°	781.8	10.8
20°-30°	1183.7	16.3
30°-40°	1411.2	19.5
40°-50°	1378.9	19.0
50°-60°	1054.4	14.6
60°-70°	676.9	9.3
70°-80°	376.6	5.2
80°-90°	104.0	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°	2237.9	30.9
0°-40°	3649.1	50.4
0°-60°	6082.4	84.0
0°-90°	7240.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7240.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	2872	2872	2872	2872	2872	
5°	2862	2864	2856	2870	2873	272
15°	2768	2770	2765	2774	2777	781
25°	2568	2571	2564	2572	2574	1184
35°	2262	2264	2260	2259	2256	1413
45°	1808	1812	1794	1790	1776	1391
55°	1239	1196	1138	1152	1189	1107
65°	735	679	640	662	706	734
75°	353	356	360	354	346	378
85°	77	90	91	88	77	95
90°	0	0	0	0	0	



TEST NUMBER: P737946

CATALOG NUMBER: 14PT-70-PC3-L850

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	2871.9	2871.9	2871.9	2871.9	2871.9
2.5°	2869.8	2870.9	2863.7	2876.0	2880.1
5°	2861.6	2863.7	2856.5	2869.8	2872.9
7.5°	2849.3	2851.4	2844.2	2857.5	2858.5
10°	2828.8	2829.8	2823.6	2837.0	2839.0
12.5°	2801.0	2804.1	2796.9	2809.2	2810.3
15°	2768.2	2770.2	2765.1	2774.3	2777.4
17.5°	2729.1	2730.2	2725.0	2735.3	2736.3
20°	2680.9	2680.9	2676.7	2688.0	2688.0
22.5°	2631.5	2628.5	2627.4	2631.5	2637.7
25°	2567.9	2570.9	2563.8	2572.0	2574.0
27.5°	2506.2	2506.2	2500.1	2504.2	2499.0
30°	2435.4	2431.3	2427.1	2428.2	2423.0
32.5°	2350.1	2350.1	2348.1	2348.1	2341.9
35°	2261.8	2263.8	2259.7	2258.7	2255.6
37.5°	2167.3	2170.4	2163.2	2161.1	2159.1
40°	2059.4	2059.4	2056.3	2052.2	2047.1
42.5°	1947.5	1947.5	1934.1	1923.8	1916.7
45°	1807.8	1811.9	1794.4	1790.3	1775.9
47.5°	1669.1	1666.0	1642.4	1639.3	1631.1
50°	1521.2	1503.7	1469.8	1479.1	1486.3
52.5°	1373.3	1351.7	1302.4	1312.7	1325.0
55°	1238.7	1195.6	1138.1	1152.5	1189.4
57.5°	1098.0	1040.5	983.0	1009.7	1055.9
60°	973.7	909.0	846.4	875.1	928.5
62.5°	854.6	785.8	735.4	763.2	808.4
65°	735.4	678.9	639.9	661.5	705.6
67.5°	626.6	588.6	561.8	572.1	608.1
70°	528.0	504.3	489.9	493.0	513.6
72.5°	434.5	428.3	423.2	423.2	425.2
75°	353.3	356.4	359.5	354.4	346.1
77.5°	278.4	288.6	295.8	285.5	275.3
80°	204.4	220.8	230.1	218.8	203.4
82.5°	139.7	158.2	161.3	154.1	136.6
85°	77.0	90.4	91.4	88.3	77.0
87.5°	28.8	33.9	37.0	33.9	29.8
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)