

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: P737962

Luminaire Tested: **14PT-70-PP3-L850**

Issue Date: 2/8/2024



**Test Information**

Test Method: LM-79-08  
Report Number: P737962  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2211-846-8)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 2/8/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: 14PT-70-PP3-L850  
Description: 7000 LUMEN 1X4 PERCEIVE PT TROFFER WITH 5000K, 80 CRI LEDS AND PRISM LENS

Light Source: -  
Ballast/Driver: -

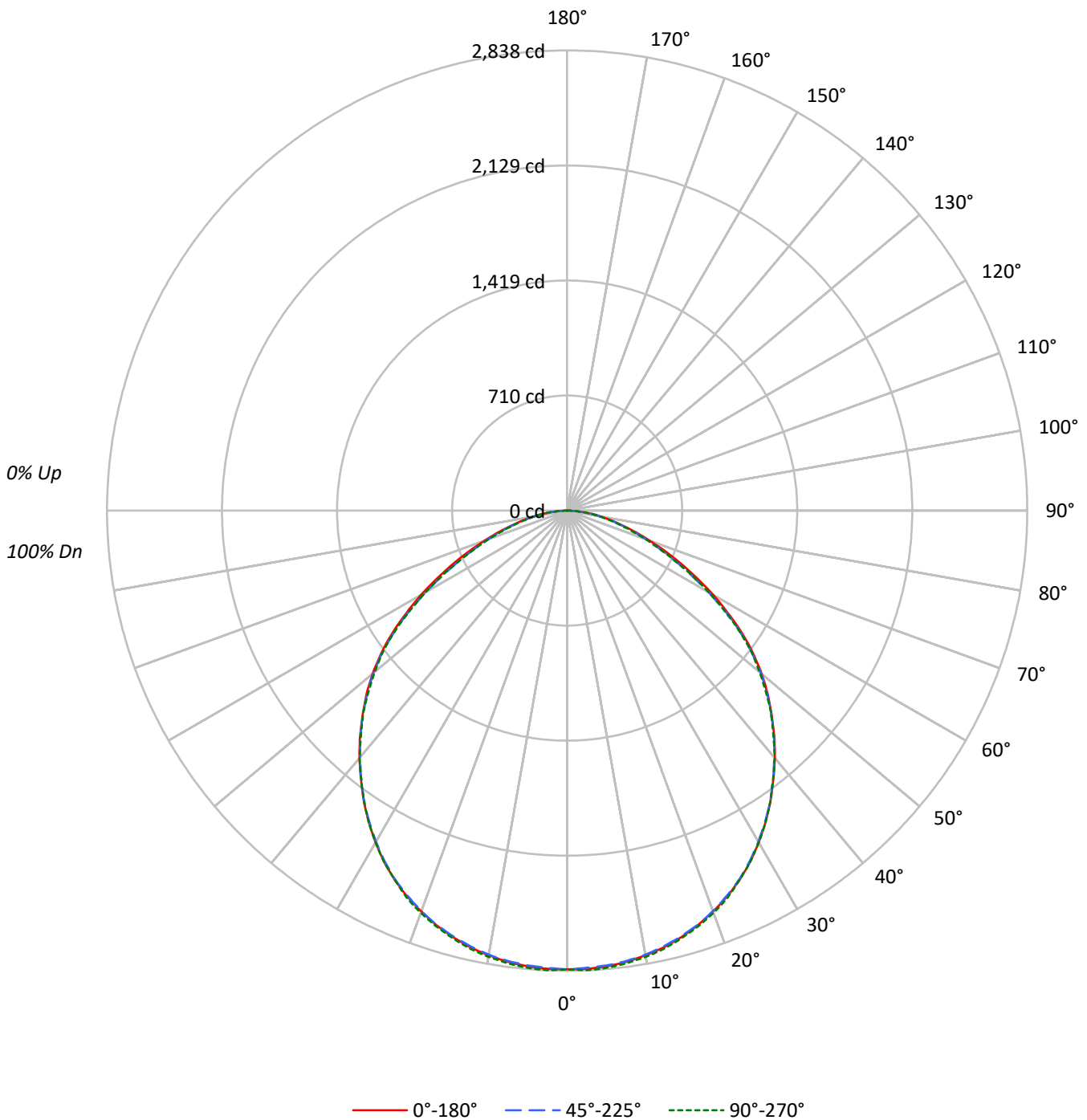
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 7311.0 lumens  
Efficiency: N/A  
Efficacy: 116.6 lumens/watt  
Spacing Criteria (0/90/45): 1.24 / 1.24 / 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

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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	99	96	93		95	92	90		91	89	87	85
2	100	92	86	80	97	90	84	79	87	82	78		84	79	76		81	77	74	72
3	92	81	74	67	89	80	73	67	77	71	66		74	69	65		72	67	63	61
4	84	73	64	58	82	71	63	57	69	62	56		66	60	56		64	59	55	53
5	77	65	56	50	75	64	56	50	62	55	49		60	54	49		58	52	48	46
6	72	59	50	44	70	58	50	44	56	49	43		54	48	43		53	47	42	40
7	66	53	45	39	65	52	44	39	51	44	38		50	43	38		48	42	38	36
8	62	49	40	35	60	48	40	35	47	39	34		45	39	34		44	38	34	32
9	58	45	37	31	57	44	36	31	43	36	31		42	35	31		41	35	31	29
10	54	41	34	28	53	41	33	28	40	33	28		39	33	28		38	32	28	26

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

	0°	45°	90°
0°	8483	8483	8483
5°	8491	8472	8518
10°	8479	8467	8508
15°	8451	8435	8473
20°	8395	8388	8424
25°	8320	8307	8317
30°	8181	8163	8181
35°	8003	7992	7999
40°	7798	7774	7794
45°	7564	7542	7551
50°	7310	7277	7224
55°	6882	6802	6780
60°	6244	6035	6048
65°	5487	5209	5202
70°	4745	4528	4474
75°	4104	3950	3867
80°	3634	3583	3422
85°	3003	3110	2931



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	268.3	3.7
10°-20°	768.8	10.5
20°-30°	1157.4	15.8
30°-40°	1366.0	18.7
40°-50°	1373.8	18.8
50°-60°	1159.8	15.9
60°-70°	744.9	10.2
70°-80°	370.5	5.1
80°-90°	101.5	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°	2194.5	30.0
0°-40°	3560.5	48.7
0°-60°	6094.1	83.4
0°-90°	7311.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7311.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	2830	2830	2830	2830	2830	
5°	2821	2822	2815	2828	2830	268
15°	2723	2724	2718	2730	2730	768
25°	2515	2516	2511	2516	2514	1157
35°	2187	2188	2184	2186	2186	1367
45°	1784	1790	1779	1781	1781	1377
55°	1317	1316	1301	1296	1297	1171
65°	773	762	734	727	733	771
75°	354	352	341	338	334	383
85°	87	90	90	85	85	103
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	2829.5	2829.5	2829.5	2829.5	2829.5
2.5°	2828.5	2829.5	2822.3	2835.7	2837.7
5°	2821.3	2822.3	2815.1	2828.5	2830.5
7.5°	2806.9	2807.9	2801.8	2814.1	2816.2
10°	2785.3	2788.4	2781.2	2792.5	2794.6
12.5°	2758.6	2759.7	2752.5	2765.8	2767.9
15°	2722.7	2723.7	2717.6	2729.9	2729.9
17.5°	2681.6	2682.6	2678.5	2688.8	2687.8
20°	2631.3	2634.4	2629.2	2636.4	2640.5
22.5°	2576.9	2577.9	2571.7	2581.0	2585.1
25°	2515.2	2516.3	2511.1	2516.3	2514.2
27.5°	2443.3	2445.4	2438.2	2443.3	2444.4
30°	2363.2	2368.4	2358.1	2362.2	2363.2
32.5°	2277.0	2280.0	2272.9	2273.9	2279.0
35°	2186.6	2187.6	2183.5	2185.6	2185.6
37.5°	2089.0	2093.1	2087.0	2090.0	2085.9
40°	1992.5	1988.4	1986.3	1988.4	1991.4
42.5°	1890.8	1891.8	1888.7	1886.7	1881.5
45°	1784.0	1790.1	1778.8	1780.9	1780.9
47.5°	1679.2	1680.2	1674.1	1667.9	1663.8
50°	1567.3	1567.3	1560.1	1554.9	1548.8
52.5°	1445.1	1443.0	1434.8	1429.6	1432.7
55°	1316.7	1315.6	1301.3	1296.1	1297.2
57.5°	1176.0	1178.0	1156.5	1151.3	1151.3
60°	1041.4	1031.2	1006.5	999.3	1008.6
62.5°	900.7	888.4	861.7	861.7	868.9
65°	773.4	762.1	734.3	727.1	733.3
67.5°	654.2	644.0	618.3	614.2	616.2
70°	541.3	532.0	516.6	507.4	510.4
72.5°	443.7	435.5	425.2	418.0	413.9
75°	354.3	352.3	341.0	337.9	333.8
77.5°	280.4	279.4	270.1	266.0	261.9
80°	210.5	209.5	207.5	201.3	198.2
82.5°	149.9	149.9	148.9	143.8	140.7
85°	87.3	90.4	90.4	85.2	85.2
87.5°	34.9	37.0	34.9	34.9	33.9
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)