

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: P737969

Luminaire Tested: **14PT-70-PR1-L840**

Issue Date: 2/8/2024



**Test Information**

Test Method: LM-79-08  
Report Number: P737969  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2211-846-11)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 2/8/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: 14PT-70-PR1-L840  
Description: 7000 LUMEN 1X4 PERCEIVE PT TROFFER WITH 4000K, 80 CRI LEDS AND RIPLE LENS

Light Source: -  
Ballast/Driver: -

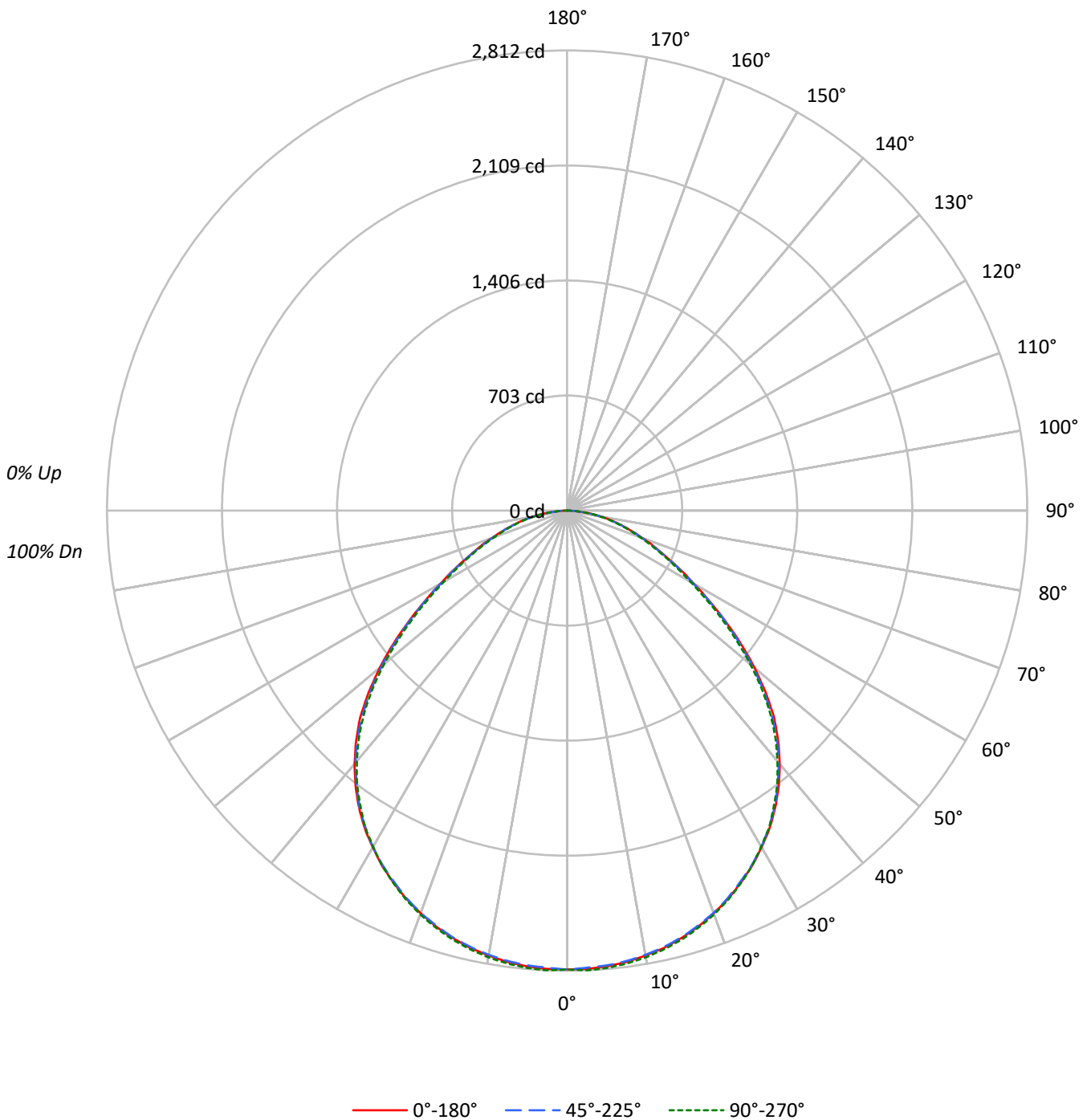
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 7091.0 lumens  
Efficiency: N/A  
Efficacy: 113.1 lumens/watt  
Spacing Criteria (0/90/45): 1.26 / 1.26 / 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	110	105	101	98	107	103	99	96	99	96	93	95	92	90	91	89	88	85
2	100	93	86	81	98	91	85	80	87	82	78	84	80	76	81	78	75	73
3	92	82	74	68	90	80	73	68	78	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	45	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	39	33	29	39	33	29	27

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

	0°	45°	90°
0°	8406	8406	8406
5°	8414	8396	8441
10°	8408	8392	8438
15°	8391	8378	8419
20°	8356	8346	8378
25°	8301	8281	8311
30°	8228	8217	8207
35°	8114	8095	8063
40°	7910	7878	7823
45°	7580	7495	7440
50°	6975	6895	6811
55°	6172	6146	6025
60°	5363	5345	5200
65°	4727	4698	4605
70°	4290	4229	4140
75°	3970	3877	3806
80°	3626	3574	3453
85°	2869	2834	2731



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	265.9	3.8
10°-20°	763.4	10.8
20°-30°	1156.5	16.3
30°-40°	1380.6	19.5
40°-50°	1357.8	19.1
50°-60°	1049.4	14.8
60°-70°	661.7	9.3
70°-80°	357.9	5.0
80°-90°	97.8	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°	2185.9	30.8
0°-40°	3566.5	50.3
0°-60°	5973.6	84.2
0°-90°	7091.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7091.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	2804	2804	2804	2804	2804	
5°	2796	2797	2790	2802	2805	266
15°	2703	2704	2699	2708	2712	763
25°	2509	2511	2503	2511	2512	1157
35°	2217	2218	2212	2209	2203	1384
45°	1788	1781	1768	1754	1755	1369
55°	1181	1191	1176	1157	1153	1060
65°	666	667	662	651	649	670
75°	343	339	335	337	329	364
85°	83	84	82	83	79	99
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	2803.9	2803.9	2803.9	2803.9	2803.9
2.5°	2802.9	2803.9	2795.8	2808.9	2811.9
5°	2795.8	2796.8	2789.8	2801.9	2804.9
7.5°	2781.8	2783.8	2776.7	2788.8	2791.8
10°	2761.7	2763.7	2756.6	2768.7	2771.7
12.5°	2736.5	2737.5	2731.5	2742.6	2745.6
15°	2703.4	2704.4	2699.4	2708.4	2712.4
17.5°	2665.2	2666.2	2659.2	2670.2	2672.2
20°	2619.0	2620.0	2615.9	2625.0	2626.0
22.5°	2567.7	2569.7	2563.7	2571.7	2572.7
25°	2509.4	2511.4	2503.4	2511.4	2512.4
27.5°	2448.1	2449.1	2442.1	2448.1	2447.1
30°	2376.8	2382.8	2373.7	2371.7	2370.7
32.5°	2302.4	2303.4	2294.4	2292.3	2296.4
35°	2217.0	2218.0	2211.9	2208.9	2202.9
37.5°	2123.5	2123.5	2112.5	2110.4	2109.4
40°	2021.0	2020.0	2013.0	2005.9	1998.9
42.5°	1909.5	1911.5	1897.4	1885.3	1883.3
45°	1787.8	1780.8	1767.7	1753.7	1754.7
47.5°	1644.1	1646.1	1628.1	1617.0	1614.0
50°	1495.4	1495.4	1478.3	1466.3	1460.2
52.5°	1339.6	1340.6	1324.6	1308.5	1305.5
55°	1180.8	1190.9	1175.8	1156.7	1152.7
57.5°	1032.1	1040.1	1026.1	1006.0	1005.0
60°	894.4	895.4	891.4	872.3	867.3
62.5°	776.8	771.8	769.8	759.8	753.7
65°	666.3	667.3	662.3	651.2	649.2
67.5°	576.9	575.9	566.8	559.8	555.8
70°	489.4	486.4	482.4	476.4	472.3
72.5°	411.0	411.0	408.0	406.0	399.0
75°	342.7	338.7	334.7	336.7	328.6
77.5°	277.4	273.4	270.3	266.3	264.3
80°	210.0	206.0	207.0	201.0	200.0
82.5°	145.7	145.7	143.7	138.7	139.7
85°	83.4	84.4	82.4	83.4	79.4
87.5°	30.1	31.2	33.2	31.2	31.2
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)