

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: P738013

Luminaire Tested: **14PT-80-PP3-L940**

Issue Date: 2/8/2024



**Test Information**

Test Method: LM-79-08  
Report Number: P738013  
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-80-PP3-L940  
Description: 8000 LUMEN 1X4 PERCEIVE PT TROFFER WITH 4000K, 90 CRI LEDS AND PRISM LENS

Light Source: -  
Ballast/Driver: -

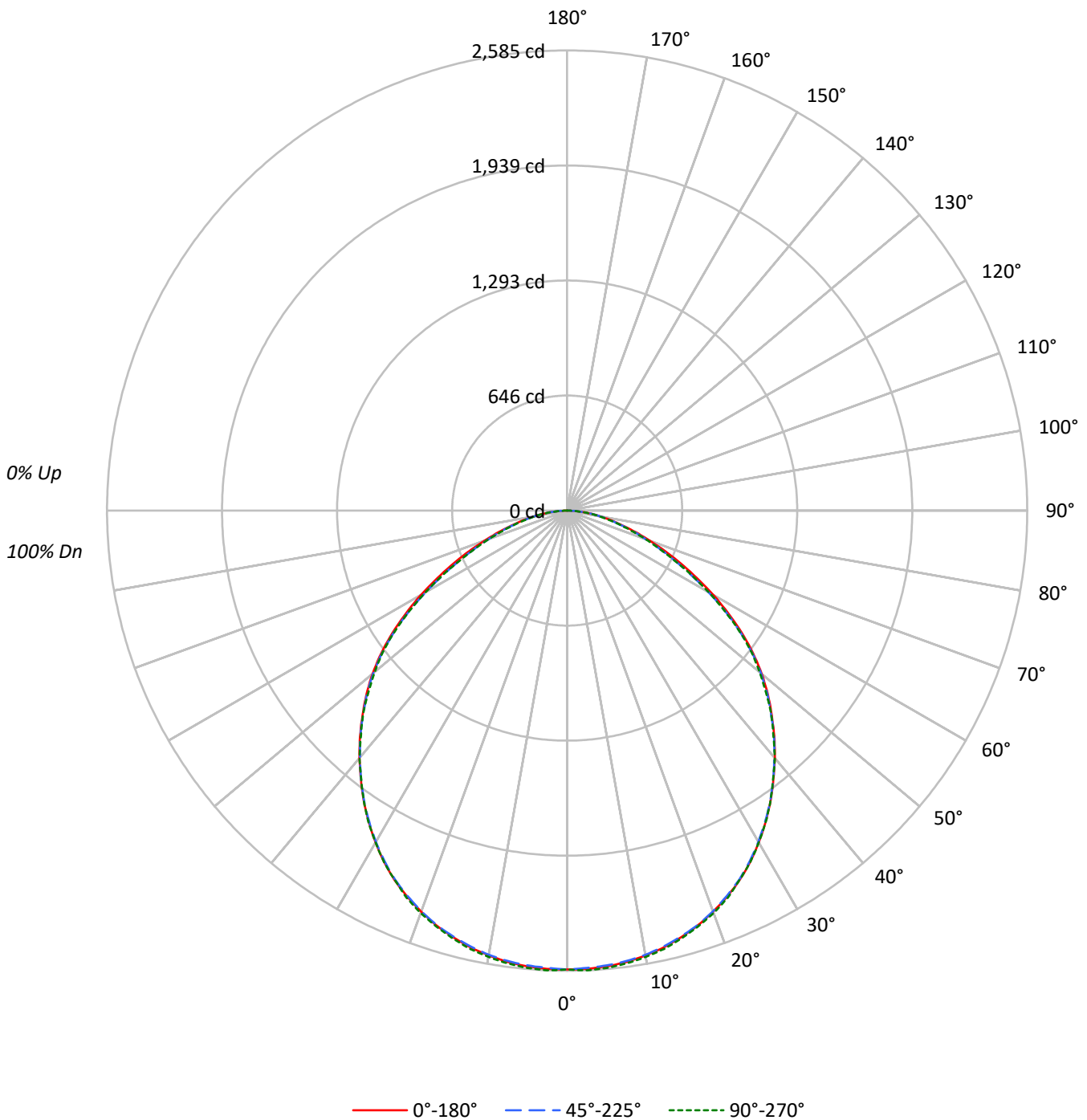
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 6661.0 lumens  
Efficiency: N/A  
Efficacy: 93.8 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): 71  
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°	7729	7729	7729
5°	7736	7719	7761
10°	7726	7714	7751
15°	7699	7685	7720
20°	7649	7643	7676
25°	7581	7568	7578
30°	7454	7437	7454
35°	7291	7281	7288
40°	7105	7083	7101
45°	6892	6872	6880
50°	6660	6630	6582
55°	6270	6197	6177
60°	5689	5498	5510
65°	4998	4746	4740
70°	4322	4126	4077
75°	3739	3599	3523
80°	3311	3263	3118
85°	2735	2831	2673



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	244.5	3.7
10°-20°	700.4	10.5
20°-30°	1054.5	15.8
30°-40°	1244.6	18.7
40°-50°	1251.7	18.8
50°-60°	1056.7	15.9
60°-70°	678.6	10.2
70°-80°	337.6	5.1
80°-90°	92.5	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°	1999.4	30.0
0°-40°	3244.0	48.7
0°-60°	5552.3	83.4
0°-90°	6661.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6661.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	2578	2578	2578	2578	2578	
5°	2570	2571	2565	2577	2579	244
15°	2481	2482	2476	2487	2487	700
25°	2292	2292	2288	2292	2291	1054
35°	1992	1993	1989	1991	1991	1245
45°	1625	1631	1621	1623	1623	1254
55°	1200	1199	1186	1181	1182	1067
65°	705	694	669	662	668	702
75°	323	321	311	308	304	349
85°	80	82	82	78	78	94
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	2577.9	2577.9	2577.9	2577.9	2577.9
2.5°	2577.0	2577.9	2571.4	2583.6	2585.4
5°	2570.5	2571.4	2564.8	2577.0	2578.9
7.5°	2557.4	2558.3	2552.7	2563.9	2565.8
10°	2537.7	2540.5	2534.0	2544.3	2546.1
12.5°	2513.4	2514.3	2507.8	2519.9	2521.8
15°	2480.6	2481.6	2476.0	2487.2	2487.2
17.5°	2443.2	2444.1	2440.4	2449.8	2448.8
20°	2397.4	2400.2	2395.5	2402.0	2405.8
22.5°	2347.8	2348.7	2343.1	2351.5	2355.2
25°	2291.6	2292.5	2287.9	2292.5	2290.7
27.5°	2226.1	2228.0	2221.4	2226.1	2227.0
30°	2153.1	2157.8	2148.4	2152.2	2153.1
32.5°	2074.5	2077.3	2070.8	2071.7	2076.4
35°	1992.2	1993.1	1989.4	1991.2	1991.2
37.5°	1903.3	1907.0	1901.4	1904.2	1900.5
40°	1815.3	1811.6	1809.7	1811.6	1814.4
42.5°	1722.7	1723.6	1720.8	1718.9	1714.3
45°	1625.4	1631.0	1620.7	1622.6	1622.6
47.5°	1529.9	1530.9	1525.2	1519.6	1515.9
50°	1427.9	1427.9	1421.4	1416.7	1411.1
52.5°	1316.6	1314.7	1307.2	1302.5	1305.3
55°	1199.6	1198.7	1185.6	1180.9	1181.8
57.5°	1071.4	1073.3	1053.6	1049.0	1049.0
60°	948.8	939.5	917.0	910.5	918.9
62.5°	820.6	809.4	785.1	785.1	791.6
65°	704.6	694.3	669.0	662.5	668.1
67.5°	596.1	586.7	563.3	559.6	561.4
70°	493.1	484.7	470.7	462.3	465.1
72.5°	404.2	396.8	387.4	380.8	377.1
75°	322.8	321.0	310.7	307.9	304.1
77.5°	255.5	254.5	246.1	242.4	238.6
80°	191.8	190.9	189.0	183.4	180.6
82.5°	136.6	136.6	135.7	131.0	128.2
85°	79.5	82.3	82.3	77.7	77.7
87.5°	31.8	33.7	31.8	31.8	30.9
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)