

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: P738021

Luminaire Tested: **14PT-80-PR1-L940**

Issue Date: 2/8/2024



**Test Information**

Test Method: LM-79-08  
Report Number: P738021  
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-80-PR1-L940  
Description: 8000 LUMEN 1X4 PERCEIVE PT TROFFER WITH 4000K, 90 CRI LEDS AND RIPLE LENS

Light Source: -  
Ballast/Driver: -

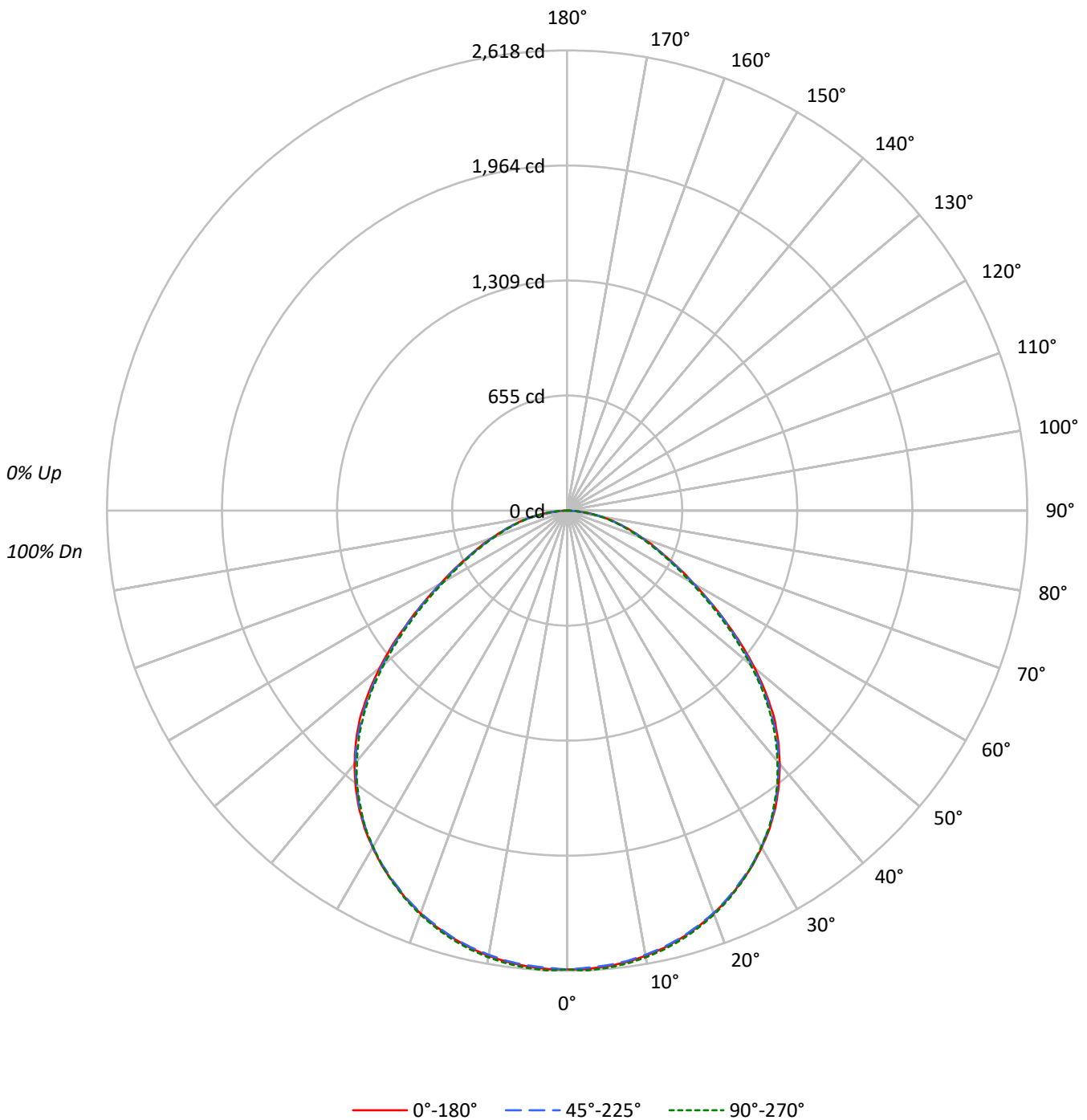
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 6603.0 lumens  
Efficiency: N/A  
Efficacy: 93.0 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): 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	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°	7828	7828	7828
5°	7835	7818	7861
10°	7829	7814	7857
15°	7813	7802	7840
20°	7781	7772	7802
25°	7730	7711	7739
30°	7662	7652	7642
35°	7556	7538	7508
40°	7365	7336	7285
45°	7059	6979	6928
50°	6495	6421	6342
55°	5748	5723	5611
60°	4994	4977	4842
65°	4401	4375	4288
70°	3995	3938	3855
75°	3696	3609	3545
80°	3377	3329	3215
85°	2673	2638	2542



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	247.6	3.8
10°-20°	710.9	10.8
20°-30°	1076.9	16.3
30°-40°	1285.6	19.5
40°-50°	1264.3	19.1
50°-60°	977.2	14.8
60°-70°	616.2	9.3
70°-80°	333.3	5.0
80°-90°	91.1	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°	2035.4	30.8
0°-40°	3321.0	50.3
0°-60°	5562.5	84.2
0°-90°	6603.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6603.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	2611	2611	2611	2611	2611	
5°	2603	2604	2598	2609	2612	247
15°	2517	2518	2514	2522	2526	710
25°	2337	2339	2331	2339	2340	1077
35°	2064	2065	2060	2057	2051	1289
45°	1665	1658	1646	1633	1634	1275
55°	1100	1109	1095	1077	1073	987
65°	620	621	617	606	604	624
75°	319	315	312	314	306	339
85°	78	79	77	78	74	92
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	2610.9	2610.9	2610.9	2610.9	2610.9
2.5°	2610.0	2610.9	2603.4	2615.6	2618.4
5°	2603.4	2604.4	2597.8	2609.0	2611.9
7.5°	2590.3	2592.2	2585.6	2596.9	2599.7
10°	2571.6	2573.5	2566.9	2578.2	2581.0
12.5°	2548.2	2549.2	2543.5	2553.8	2556.6
15°	2517.3	2518.3	2513.6	2522.0	2525.8
17.5°	2481.8	2482.7	2476.2	2486.5	2488.3
20°	2438.7	2439.7	2435.9	2444.3	2445.3
22.5°	2391.0	2392.9	2387.3	2394.7	2395.7
25°	2336.7	2338.6	2331.1	2338.6	2339.5
27.5°	2279.6	2280.6	2274.0	2279.6	2278.7
30°	2213.2	2218.8	2210.4	2208.5	2207.6
32.5°	2143.9	2144.9	2136.5	2134.6	2138.3
35°	2064.4	2065.3	2059.7	2056.9	2051.3
37.5°	1977.4	1977.4	1967.1	1965.2	1964.3
40°	1881.9	1881.0	1874.4	1867.9	1861.3
42.5°	1778.0	1779.9	1766.8	1755.6	1753.7
45°	1664.8	1658.3	1646.1	1633.0	1633.9
47.5°	1531.0	1532.9	1516.0	1505.7	1502.9
50°	1392.5	1392.5	1376.6	1365.3	1359.7
52.5°	1247.4	1248.4	1233.4	1218.4	1215.6
55°	1099.6	1108.9	1094.9	1077.1	1073.4
57.5°	961.1	968.6	955.5	936.7	935.8
60°	832.9	833.8	830.1	812.3	807.6
62.5°	723.4	718.7	716.8	707.5	701.9
65°	620.4	621.4	616.7	606.4	604.5
67.5°	537.2	536.2	527.8	521.2	517.5
70°	455.7	452.9	449.2	443.6	439.8
72.5°	382.7	382.7	379.9	378.1	371.5
75°	319.1	315.4	311.6	313.5	306.0
77.5°	258.3	254.5	251.7	248.0	246.1
80°	195.6	191.8	192.8	187.2	186.2
82.5°	135.7	135.7	133.8	129.1	130.1
85°	77.7	78.6	76.7	77.7	73.9
87.5°	28.1	29.0	30.9	29.0	29.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)