

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: P737959

Luminaire Tested: **14PT-70-PP3-L830**

Issue Date: 2/8/2024



**Test Information**

Test Method: LM-79-08  
Report Number: P737959  
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-L830  
Description: 7000 LUMEN 1X4 PERCEIVE PT TROFFER WITH 3000K, 80 CRI LEDS AND PRISM LENS

Light Source: -  
Ballast/Driver: -

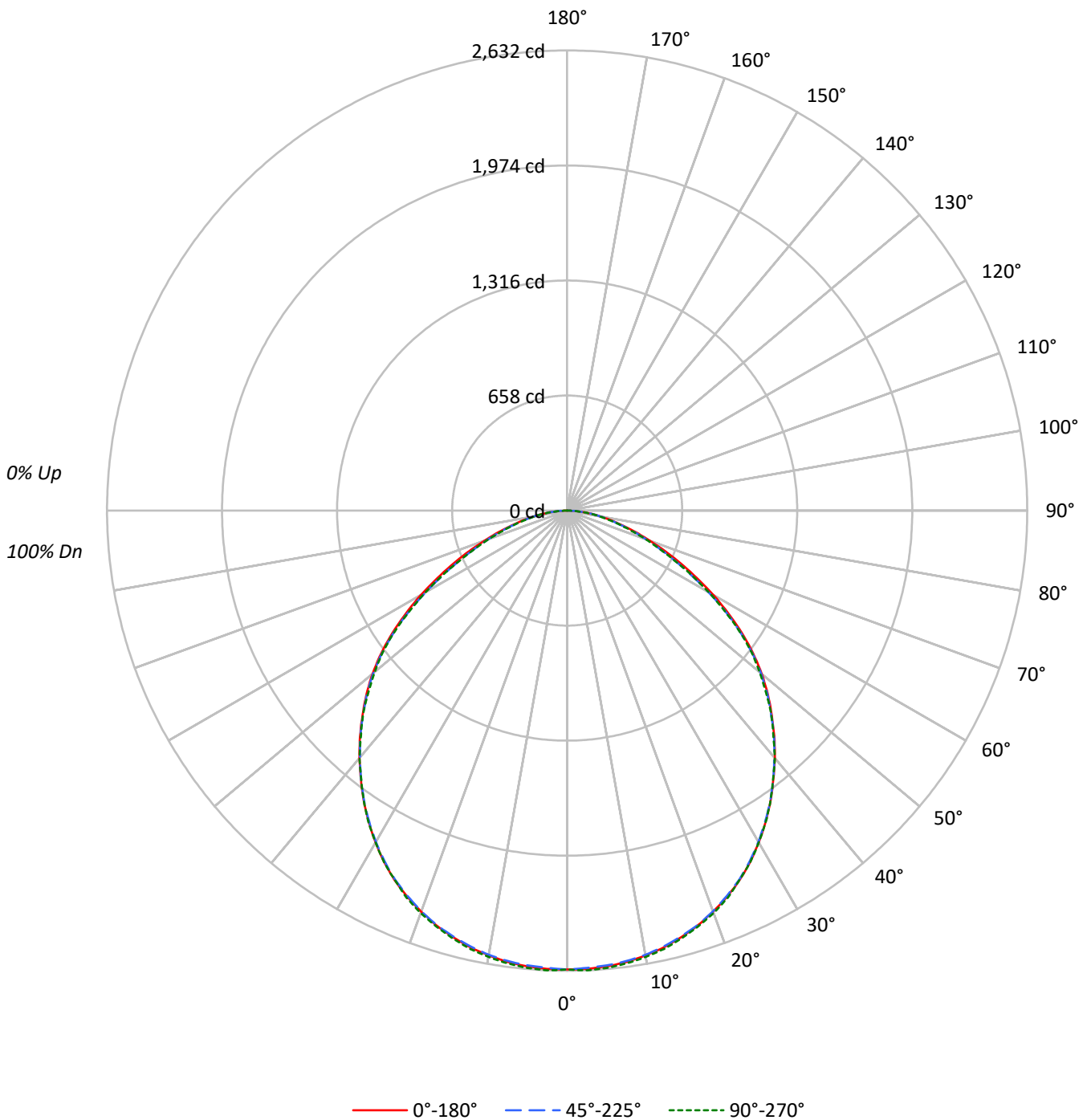
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 6782.0 lumens  
Efficiency: N/A  
Efficacy: 108.2 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°	7869	7869	7869
5°	7877	7859	7902
10°	7866	7854	7892
15°	7839	7824	7860
20°	7788	7782	7815
25°	7718	7706	7715
30°	7589	7573	7589
35°	7424	7413	7420
40°	7234	7211	7230
45°	7017	6996	7004
50°	6781	6750	6701
55°	6384	6309	6290
60°	5793	5599	5610
65°	5089	4832	4826
70°	4401	4201	4151
75°	3808	3664	3586
80°	3372	3324	3175
85°	2786	2883	2721



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	248.9	3.7
10°-20°	713.1	10.5
20°-30°	1073.6	15.8
30°-40°	1267.2	18.7
40°-50°	1274.4	18.8
50°-60°	1075.9	15.9
60°-70°	691.0	10.2
70°-80°	343.7	5.1
80°-90°	94.2	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°	2035.7	30.0
0°-40°	3302.9	48.7
0°-60°	5653.2	83.4
0°-90°	6782.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6782.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	2625	2625	2625	2625	2625	
5°	2617	2618	2611	2624	2626	249
15°	2526	2527	2521	2532	2532	713
25°	2333	2334	2329	2334	2332	1074
35°	2028	2029	2026	2027	2027	1268
45°	1655	1661	1650	1652	1652	1277
55°	1221	1220	1207	1202	1203	1086
65°	717	707	681	674	680	715
75°	329	327	316	313	310	356
85°	81	84	84	79	79	95
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	2624.8	2624.8	2624.8	2624.8	2624.8
2.5°	2623.8	2624.8	2618.1	2630.5	2632.4
5°	2617.2	2618.1	2611.4	2623.8	2625.7
7.5°	2603.8	2604.8	2599.1	2610.5	2612.4
10°	2583.8	2586.7	2580.0	2590.5	2592.4
12.5°	2559.0	2560.0	2553.3	2565.7	2567.6
15°	2525.7	2526.6	2520.9	2532.4	2532.4
17.5°	2487.6	2488.5	2484.7	2494.3	2493.3
20°	2440.9	2443.8	2439.0	2445.7	2449.5
22.5°	2390.4	2391.4	2385.6	2394.2	2398.0
25°	2333.2	2334.2	2329.4	2334.2	2332.3
27.5°	2266.5	2268.5	2261.8	2266.5	2267.5
30°	2192.2	2197.0	2187.5	2191.3	2192.2
32.5°	2112.2	2115.1	2108.4	2109.3	2114.1
35°	2028.4	2029.3	2025.5	2027.4	2027.4
37.5°	1937.9	1941.7	1936.0	1938.8	1935.0
40°	1848.3	1844.5	1842.6	1844.5	1847.3
42.5°	1754.0	1754.9	1752.1	1750.2	1745.4
45°	1654.9	1660.6	1650.1	1652.0	1652.0
47.5°	1557.7	1558.7	1553.0	1547.2	1543.4
50°	1453.9	1453.9	1447.2	1442.4	1436.7
52.5°	1340.5	1338.6	1331.0	1326.2	1329.1
55°	1221.4	1220.4	1207.1	1202.3	1203.3
57.5°	1090.9	1092.8	1072.8	1068.0	1068.0
60°	966.1	956.5	933.7	927.0	935.6
62.5°	835.5	824.1	799.3	799.3	806.0
65°	717.4	706.9	681.2	674.5	680.3
67.5°	606.9	597.4	573.5	569.7	571.6
70°	502.1	493.5	479.2	470.6	473.5
72.5°	411.6	404.0	394.4	387.8	384.0
75°	328.7	326.8	316.3	313.4	309.6
77.5°	260.1	259.1	250.6	246.8	242.9
80°	195.3	194.4	192.5	186.7	183.9
82.5°	139.1	139.1	138.1	133.4	130.5
85°	81.0	83.8	83.8	79.1	79.1
87.5°	32.4	34.3	32.4	32.4	31.4
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)