

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: P738011

Luminaire Tested: **14PT-80-PP3-L930**

Issue Date: 2/8/2024



**Test Information**

Test Method: LM-79-08  
Report Number: P738011  
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-L930  
Description: 8000 LUMEN 1X4 PERCEIVE PT TROFFER WITH 3000K, 90 CRI LEDS AND PRISM LENS

Light Source: -  
Ballast/Driver: -

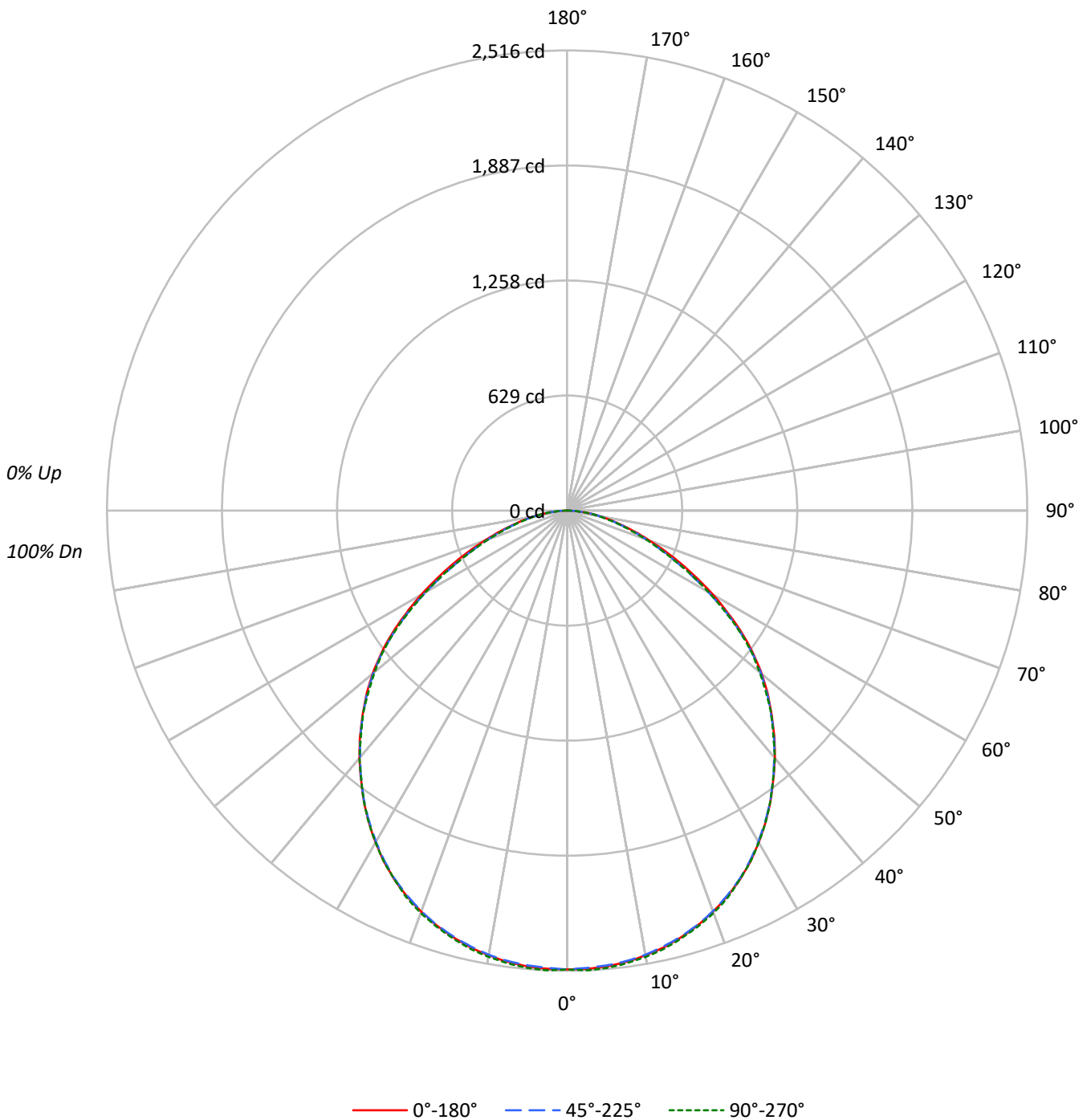
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 6482.0 lumens  
Efficiency: N/A  
Efficacy: 91.3 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°	7521	7521	7521
5°	7528	7511	7553
10°	7518	7507	7543
15°	7493	7478	7512
20°	7443	7437	7469
25°	7377	7365	7374
30°	7254	7238	7254
35°	7095	7085	7092
40°	6914	6892	6910
45°	6706	6687	6695
50°	6481	6451	6405
55°	6102	6030	6012
60°	5536	5351	5362
65°	4864	4619	4613
70°	4207	4015	3967
75°	3640	3502	3428
80°	3223	3175	3033
85°	2662	2755	2601



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	237.9	3.7
10°-20°	681.6	10.5
20°-30°	1026.2	15.8
30°-40°	1211.1	18.7
40°-50°	1218.1	18.8
50°-60°	1028.3	15.9
60°-70°	660.4	10.2
70°-80°	328.5	5.1
80°-90°	90.0	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°	1945.7	30.0
0°-40°	3156.8	48.7
0°-60°	5403.1	83.4
0°-90°	6482.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6482.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	2509	2509	2509	2509	2509	
5°	2501	2502	2496	2508	2510	238
15°	2414	2415	2409	2420	2420	681
25°	2230	2231	2226	2231	2229	1026
35°	1939	1940	1936	1938	1938	1212
45°	1582	1587	1577	1579	1579	1221
55°	1167	1166	1154	1149	1150	1038
65°	686	676	651	645	650	684
75°	314	312	302	300	296	340
85°	77	80	80	76	76	91
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	2508.7	2508.7	2508.7	2508.7	2508.7
2.5°	2507.8	2508.7	2502.3	2514.1	2516.0
5°	2501.4	2502.3	2495.9	2507.8	2509.6
7.5°	2488.6	2489.5	2484.1	2495.0	2496.8
10°	2469.5	2472.2	2465.9	2475.9	2477.7
12.5°	2445.8	2446.8	2440.4	2452.2	2454.0
15°	2414.0	2414.9	2409.4	2420.3	2420.3
17.5°	2377.5	2378.5	2374.8	2383.9	2383.0
20°	2332.9	2335.7	2331.1	2337.5	2341.1
22.5°	2284.7	2285.6	2280.1	2288.3	2292.0
25°	2230.0	2230.9	2226.4	2230.9	2229.1
27.5°	2166.3	2168.1	2161.7	2166.3	2167.2
30°	2095.3	2099.8	2090.7	2094.4	2095.3
32.5°	2018.8	2021.5	2015.1	2016.0	2020.6
35°	1938.6	1939.6	1935.9	1937.7	1937.7
37.5°	1852.1	1855.8	1850.3	1853.0	1849.4
40°	1766.5	1762.9	1761.1	1762.9	1765.6
42.5°	1676.4	1677.3	1674.6	1672.8	1668.2
45°	1581.7	1587.2	1577.1	1579.0	1579.0
47.5°	1488.8	1489.7	1484.3	1478.8	1475.2
50°	1389.6	1389.6	1383.2	1378.6	1373.2
52.5°	1281.2	1279.4	1272.1	1267.5	1270.3
55°	1167.4	1166.5	1153.7	1149.2	1150.1
57.5°	1042.6	1044.4	1025.3	1020.8	1020.8
60°	923.3	914.2	892.4	886.0	894.2
62.5°	798.6	787.7	764.0	764.0	770.4
65°	685.7	675.7	651.1	644.7	650.2
67.5°	580.0	570.9	548.2	544.5	546.4
70°	479.9	471.7	458.0	449.8	452.6
72.5°	393.4	386.1	377.0	370.6	367.0
75°	314.2	312.3	302.3	299.6	295.9
77.5°	248.6	247.7	239.5	235.8	232.2
80°	186.7	185.8	183.9	178.5	175.7
82.5°	132.9	132.9	132.0	127.5	124.8
85°	77.4	80.1	80.1	75.6	75.6
87.5°	31.0	32.8	31.0	31.0	30.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)