

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: P738675

Luminaire Tested: **24PT-80-PR1-L930**

Issue Date: 2/8/2024



**Test Information**

Test Method: LM-79-08  
Report Number: P738675  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2210-816-15)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 2/8/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: 24PT-80-PR1-L930  
Description: 8000 LUMEN 2X4 PERCEIVE PT TROFFER WITH 3000K, 90 CRI LEDS AND RIPLE LENS

Light Source: -  
Ballast/Driver: -

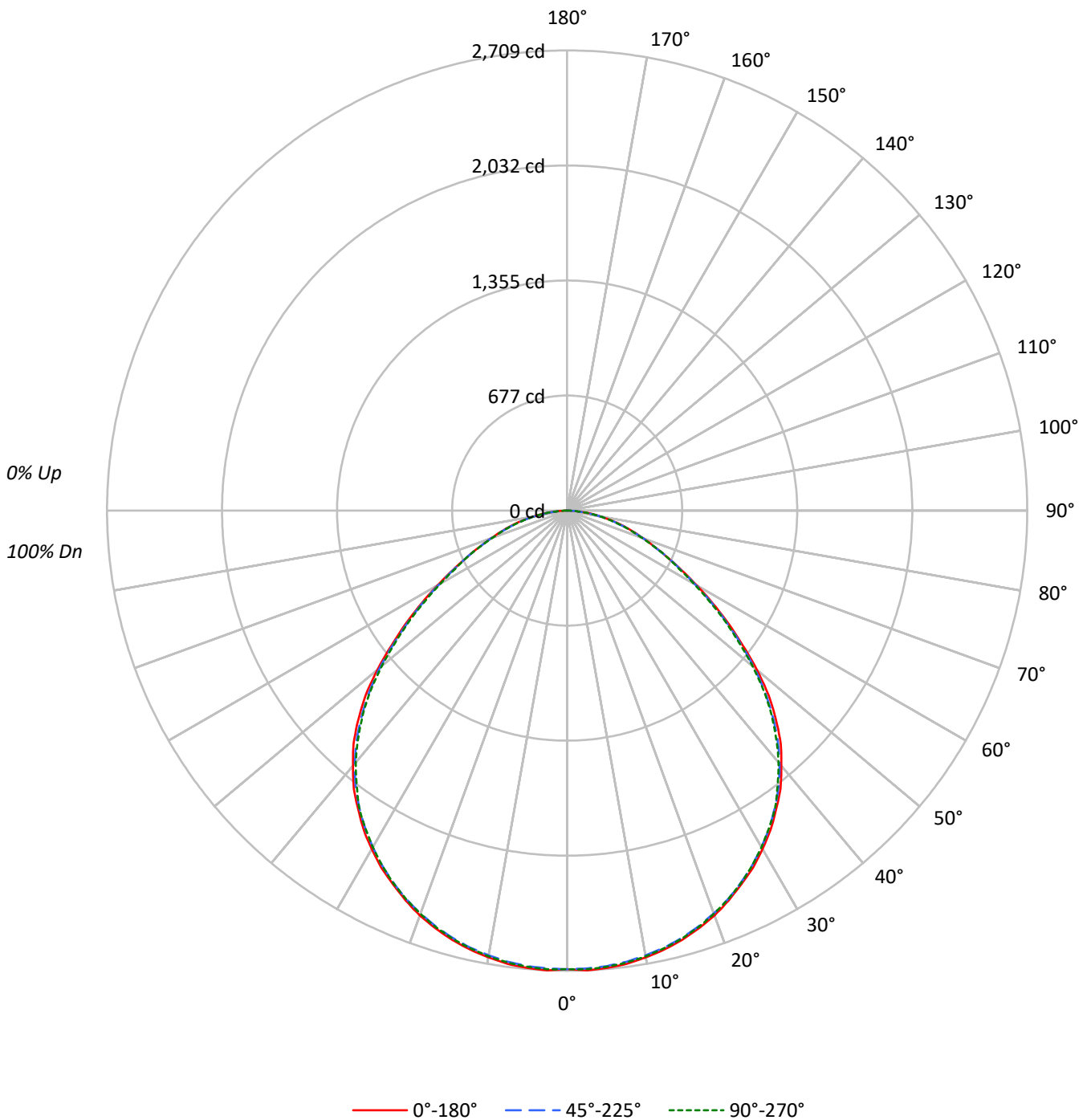
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 6877.0 lumens  
Efficiency: N/A  
Efficacy: 100.7 lumens/watt  
Spacing Criteria (0/90/45): 1.26 / 1.26 / 1.35  
Luminous Opening: Rectangular (W 1.92' x L: 3.92' x H: 0')  
CIE Type: Direct

Input Watts (W): 68.3  
Input Voltage (V): NR  
Input Current (Ain): 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	87	85
2	100	93	86	81	98	91	85	80	87	82	78		84	80	76		81	78	75	72
3	92	82	74	68	89	80	73	67	77	71	66		75	70	65		72	68	64	62
4	84	73	65	58	82	72	64	58	69	62	57		67	61	56		65	60	56	53
5	78	66	57	51	76	64	56	50	62	55	50		60	54	49		59	53	49	47
6	72	59	51	44	70	58	50	44	57	49	44		55	48	43		53	48	43	41
7	67	54	45	39	65	53	45	39	52	44	39		50	44	39		49	43	38	36
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		42	36	31		41	36	31	29
10	55	42	34	29	53	41	34	29	40	33	29		39	33	29		38	33	28	27

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

	0°	45°	90°
0°	3872	3872	3872
5°	3890	3874	3880
10°	3889	3870	3879
15°	3883	3866	3873
20°	3871	3851	3855
25°	3839	3827	3830
30°	3809	3788	3788
35°	3757	3734	3738
40°	3671	3640	3625
45°	3525	3469	3450
50°	3254	3207	3177
55°	2897	2855	2836
60°	2525	2497	2471
65°	2212	2215	2202
70°	1991	1985	1956
75°	1854	1800	1804
80°	1656	1625	1625
85°	1277	1314	1265



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	256.1	3.7
10°-20°	735.5	10.7
20°-30°	1115.2	16.2
30°-40°	1333.7	19.4
40°-50°	1316.9	19.1
50°-60°	1025.0	14.9
60°-70°	650.7	9.5
70°-80°	349.2	5.1
80°-90°	94.7	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°	2106.8	30.6
0°-40°	3440.5	50.0
0°-60°	5782.4	84.1
0°-90°	6877.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6877.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	2700	2700	2700	2700	2700	
5°	2703	2694	2691	2690	2696	257
15°	2616	2607	2605	2602	2609	738
25°	2427	2422	2419	2415	2421	1119
35°	2146	2142	2133	2127	2136	1342
45°	1738	1726	1710	1702	1702	1334
55°	1159	1153	1142	1135	1135	1038
65°	652	654	653	644	649	654
75°	335	329	325	324	326	354
85°	78	79	80	80	77	96
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	2700.3	2700.3	2700.3	2700.3	2700.3
2.5°	2709.4	2700.3	2697.3	2695.8	2702.6
5°	2702.6	2694.3	2691.3	2689.8	2695.8
7.5°	2691.3	2681.5	2678.4	2676.9	2683.7
10°	2670.9	2661.9	2658.1	2658.1	2664.1
12.5°	2646.8	2639.2	2635.5	2632.5	2639.2
15°	2615.9	2606.8	2604.6	2601.6	2609.1
17.5°	2578.9	2569.9	2566.9	2565.4	2570.6
20°	2536.7	2525.4	2523.9	2523.2	2526.2
22.5°	2484.7	2478.7	2475.7	2474.2	2476.4
25°	2426.7	2422.1	2419.1	2414.6	2420.6
27.5°	2370.1	2364.1	2356.6	2352.8	2356.6
30°	2300.8	2293.2	2288.0	2286.4	2288.0
32.5°	2229.2	2221.6	2214.8	2214.1	2213.3
35°	2146.2	2141.7	2133.4	2126.6	2135.7
37.5°	2064.1	2053.5	2046.0	2037.7	2035.4
40°	1961.5	1957.8	1944.9	1937.4	1936.7
42.5°	1862.0	1844.7	1835.6	1830.4	1822.1
45°	1738.4	1726.3	1710.5	1702.2	1701.5
47.5°	1609.5	1594.4	1579.3	1568.0	1571.0
50°	1458.7	1451.9	1437.6	1427.8	1424.0
52.5°	1303.4	1301.9	1286.8	1280.8	1274.0
55°	1158.7	1152.6	1142.1	1134.6	1134.6
57.5°	1016.2	1010.9	1005.6	991.3	991.3
60°	880.5	879.7	870.7	862.4	861.7
62.5°	759.1	763.7	755.4	747.1	742.5
65°	652.1	654.3	652.8	644.5	649.1
67.5°	557.9	558.6	555.6	551.1	554.1
70°	474.9	478.7	473.4	470.4	466.6
72.5°	402.6	401.1	396.5	398.8	393.5
75°	334.7	329.4	324.9	324.2	325.7
77.5°	266.9	265.4	261.6	261.6	259.3
80°	200.5	199.0	196.8	197.5	196.8
82.5°	142.5	138.7	135.7	137.2	138.0
85°	77.6	79.2	79.9	79.9	76.9
87.5°	31.7	30.9	31.7	33.2	33.9
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)