

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: P738708

Luminaire Tested: **24PT-90-PR1-L935**

Issue Date: 2/8/2024



**Test Information**

Test Method: LM-79-08  
Report Number: P738708  
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-90-PR1-L935  
Description: 9000 LUMEN 2X4 PERCEIVE PT TROFFER WITH 3500K, 90 CRI LEDS AND RIPLE LENS

Light Source: -  
Ballast/Driver: -

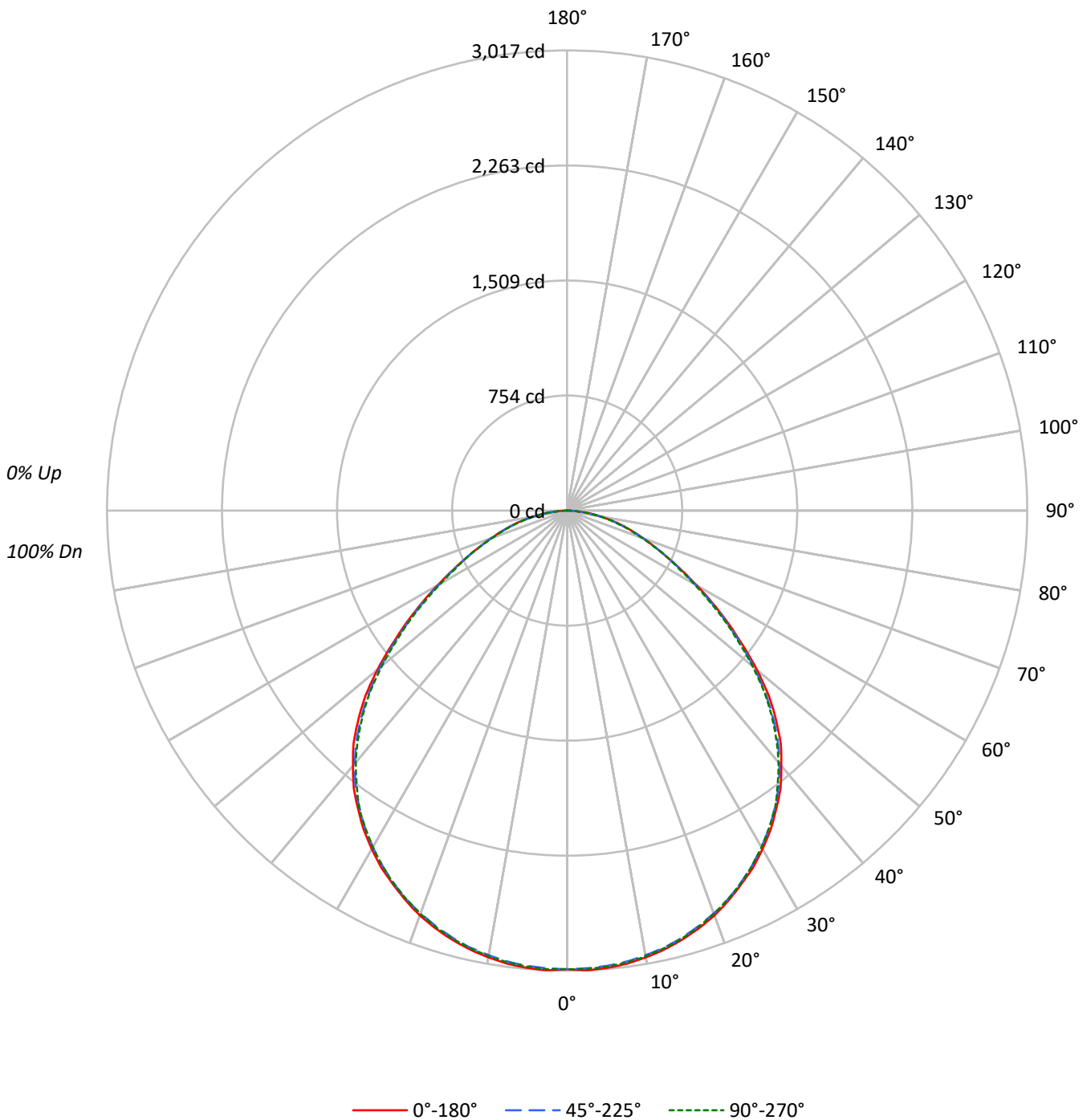
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 7658.0 lumens  
Efficiency: N/A  
Efficacy: 101.2 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): 75.7  
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°	4312	4312	4312
5°	4332	4314	4321
10°	4330	4310	4319
15°	4324	4305	4313
20°	4310	4288	4292
25°	4275	4262	4265
30°	4242	4218	4218
35°	4184	4158	4163
40°	4089	4054	4037
45°	3925	3863	3842
50°	3624	3571	3537
55°	3226	3179	3158
60°	2812	2781	2752
65°	2464	2467	2452
70°	2217	2210	2178
75°	2065	2004	2009
80°	1844	1809	1809
85°	1423	1464	1408



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	285.2	3.7
10°-20°	819.1	10.7
20°-30°	1241.8	16.2
30°-40°	1485.2	19.4
40°-50°	1466.4	19.1
50°-60°	1141.4	14.9
60°-70°	724.6	9.5
70°-80°	388.9	5.1
80°-90°	105.4	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°	2346.1	30.6
0°-40°	3831.3	50.0
0°-60°	6439.1	84.1
0°-90°	7658.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7658.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	3007	3007	3007	3007	3007	
5°	3010	3000	2997	2995	3002	286
15°	2913	2903	2900	2897	2905	822
25°	2702	2697	2694	2689	2696	1246
35°	2390	2385	2376	2368	2378	1494
45°	1936	1922	1905	1896	1895	1486
55°	1290	1284	1272	1263	1263	1155
65°	726	729	727	718	723	729
75°	373	367	362	361	363	394
85°	86	88	89	89	86	107
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	3007.0	3007.0	3007.0	3007.0	3007.0
2.5°	3017.1	3007.0	3003.6	3001.9	3009.5
5°	3009.5	3000.3	2996.9	2995.2	3001.9
7.5°	2996.9	2986.0	2982.6	2981.0	2988.5
10°	2974.2	2964.2	2960.0	2960.0	2966.7
12.5°	2947.4	2939.0	2934.8	2931.4	2939.0
15°	2913.0	2902.9	2900.4	2897.0	2905.4
17.5°	2871.8	2861.7	2858.4	2856.7	2862.6
20°	2824.8	2812.2	2810.5	2809.7	2813.1
22.5°	2766.9	2760.2	2756.8	2755.1	2757.7
25°	2702.3	2697.2	2693.9	2688.8	2695.5
27.5°	2639.3	2632.6	2624.2	2620.0	2624.2
30°	2562.1	2553.7	2547.8	2546.1	2547.8
32.5°	2482.3	2473.9	2466.4	2465.5	2464.7
35°	2390.0	2384.9	2375.7	2368.1	2378.2
37.5°	2298.5	2286.7	2278.3	2269.1	2266.6
40°	2184.3	2180.1	2165.8	2157.4	2156.6
42.5°	2073.5	2054.2	2044.1	2038.2	2029.0
45°	1935.8	1922.4	1904.8	1895.5	1894.7
47.5°	1792.3	1775.5	1758.7	1746.1	1749.5
50°	1624.4	1616.8	1600.9	1590.0	1585.8
52.5°	1451.4	1449.8	1433.0	1426.3	1418.7
55°	1290.3	1283.5	1271.8	1263.4	1263.4
57.5°	1131.6	1125.7	1119.9	1103.9	1103.9
60°	980.5	979.7	969.6	960.4	959.5
62.5°	845.3	850.4	841.1	831.9	826.9
65°	726.1	728.7	727.0	717.7	722.8
67.5°	621.2	622.0	618.7	613.7	617.0
70°	528.9	533.1	527.2	523.8	519.6
72.5°	448.3	446.6	441.6	444.1	438.2
75°	372.7	366.8	361.8	361.0	362.7
77.5°	297.2	295.5	291.3	291.3	288.8
80°	223.3	221.6	219.1	219.9	219.1
82.5°	158.7	154.5	151.1	152.8	153.6
85°	86.5	88.1	89.0	89.0	85.6
87.5°	35.3	34.4	35.3	36.9	37.8
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)