

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: P738624

Luminaire Tested: **24PT-72-PC3-L835**

Issue Date: 2/8/2024



**Test Information**

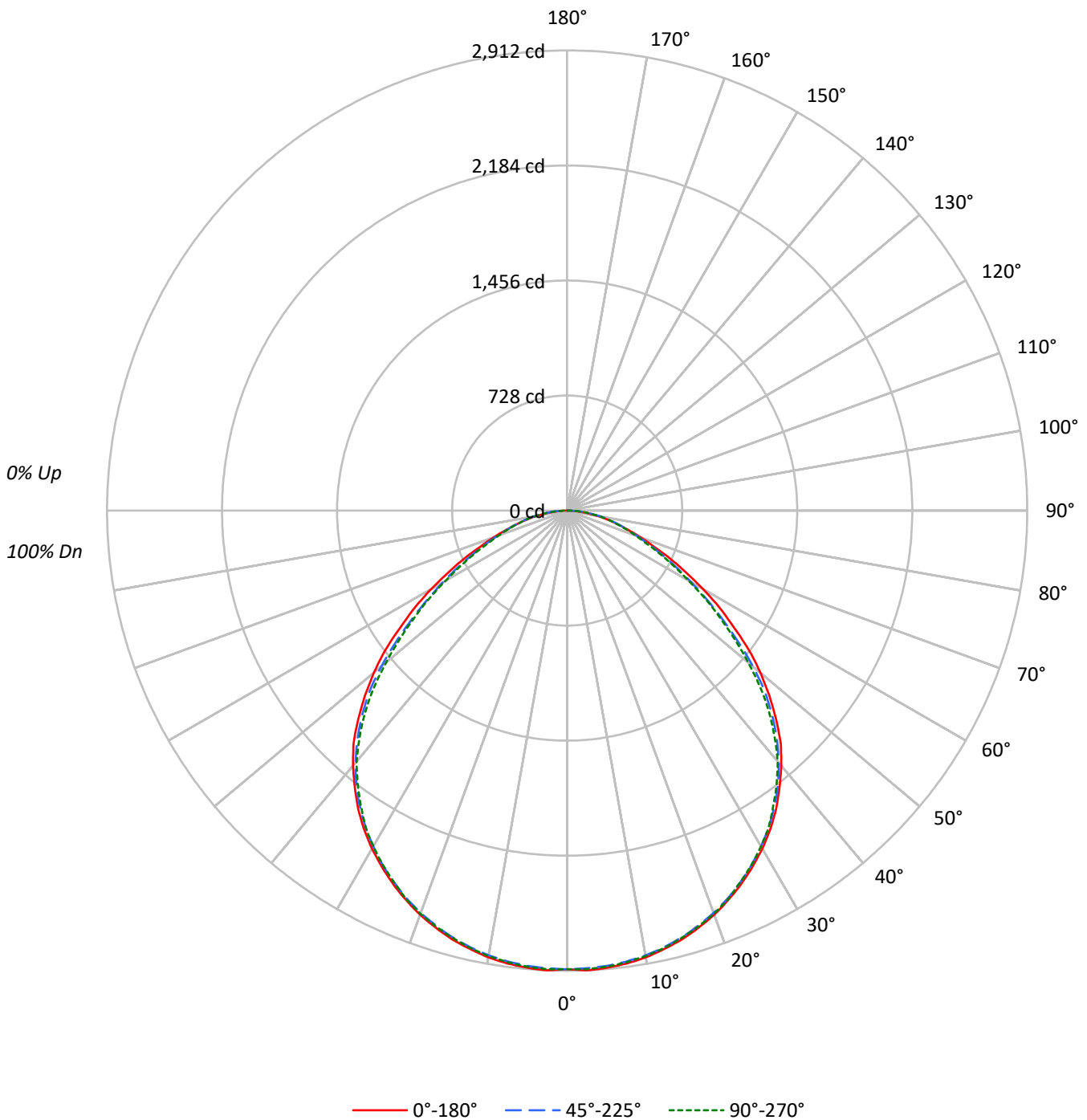
Test Method: LM-79-08  
Report Number: P738624  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2210-816-10)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 2/8/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: 24PT-72-PC3-L835  
Description: 7200 LUMEN 2X4 PERCEIVE PT TROFFER WITH 3500K, 80 CRI LEDS AND PARAMID LENS  
  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 7321.0 lumens  
Efficiency: N/A  
Efficacy: 121.8 lumens/watt  
Spacing Criteria (0/90/45): 1.26 / 1.25 / 1.35  
Luminous Opening: Rectangular (W 1.92' x L: 3.92' x H: 0')  
CIE Type: Direct  
  
Input Watts (W): 60.1  
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	88	86
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	81	73	68	78	72	67	75	70	65	72	68	64	62
4	85	73	65	59	82	72	64	58	69	63	57	67	61	57	65	60	56	54
5	78	66	57	51	76	65	57	51	63	55	50	61	54	50	59	53	49	47
6	72	59	51	45	70	59	50	44	57	50	44	55	49	44	54	48	43	41
7	67	54	46	40	65	53	45	40	52	45	39	50	44	39	49	43	39	37
8	63	49	41	36	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	40	33	29	39	33	29	27

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

	0°	45°	90°
0°	4161	4161	4161
5°	4180	4162	4170
10°	4180	4161	4167
15°	4171	4151	4156
20°	4154	4134	4143
25°	4125	4105	4104
30°	4090	4063	4062
35°	4035	4003	3984
40°	3945	3898	3880
45°	3792	3722	3669
50°	3561	3424	3334
55°	3219	3001	2944
60°	2847	2597	2546
65°	2434	2250	2192
70°	2062	1974	1917
75°	1808	1839	1777
80°	1621	1788	1688
85°	1369	1635	1555



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	275.2	3.8
10°-20°	789.9	10.8
20°-30°	1196.6	16.3
30°-40°	1429.2	19.5
40°-50°	1409.8	19.3
50°-60°	1091.4	14.9
60°-70°	670.8	9.2
70°-80°	351.5	4.8
80°-90°	106.6	1.5
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°	2261.6	30.9
0°-40°	3690.8	50.4
0°-60°	6192.1	84.6
0°-90°	7321.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7321.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	2902	2902	2902	2902	2902	
5°	2904	2895	2892	2890	2898	276
15°	2810	2801	2796	2794	2800	793
25°	2608	2599	2595	2593	2594	1201
35°	2305	2295	2287	2280	2276	1439
45°	1870	1856	1835	1816	1809	1439
55°	1288	1253	1200	1183	1178	1156
65°	717	684	663	644	646	716
75°	326	330	332	326	321	352
85°	83	93	99	97	94	97
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	2902.3	2902.3	2902.3	2902.3	2902.3
2.5°	2912.0	2903.2	2899.1	2898.3	2904.8
5°	2904.0	2895.1	2891.8	2890.2	2897.5
7.5°	2891.0	2881.3	2878.1	2875.7	2882.2
10°	2870.8	2861.1	2857.9	2856.3	2862.0
12.5°	2841.8	2832.9	2830.5	2828.0	2835.3
15°	2809.5	2800.6	2796.5	2794.1	2799.8
17.5°	2767.4	2760.2	2755.3	2755.3	2760.2
20°	2722.2	2713.3	2709.3	2706.9	2714.9
22.5°	2666.5	2660.8	2656.0	2651.9	2660.8
25°	2607.5	2599.4	2594.6	2593.0	2593.8
27.5°	2540.5	2534.8	2528.3	2525.9	2527.5
30°	2470.2	2462.9	2454.0	2449.2	2453.2
32.5°	2391.8	2381.3	2374.1	2369.2	2374.9
35°	2305.4	2294.9	2286.8	2279.5	2276.3
37.5°	2206.8	2203.6	2192.3	2179.4	2178.6
40°	2107.5	2098.6	2082.5	2076.8	2072.8
42.5°	2000.9	1982.3	1965.3	1949.2	1943.5
45°	1870.0	1856.3	1835.3	1815.9	1809.4
47.5°	1735.9	1718.1	1697.9	1664.0	1660.0
50°	1596.2	1570.3	1534.8	1506.5	1494.4
52.5°	1450.8	1416.0	1366.8	1342.5	1336.1
55°	1287.6	1252.9	1200.4	1182.6	1177.7
57.5°	1142.2	1091.3	1048.5	1028.3	1034.8
60°	992.8	943.5	905.5	886.1	887.7
62.5°	846.6	807.8	779.5	760.9	763.4
65°	717.3	684.2	663.2	643.8	646.2
67.5°	590.5	575.1	559.8	548.5	542.0
70°	491.9	485.5	470.9	460.4	457.2
72.5°	402.3	406.3	394.2	391.0	390.2
75°	326.3	329.6	332.0	325.5	320.7
77.5°	260.9	265.8	275.5	266.6	265.0
80°	196.3	206.0	216.5	210.8	204.4
82.5°	137.3	149.4	159.1	151.9	148.6
85°	83.2	92.9	99.4	96.9	94.5
87.5°	37.2	40.4	43.6	44.4	42.8
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)