

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: P738639

Luminaire Tested: **24PT-72-PR1-L830**

Issue Date: 2/8/2024



**Test Information**

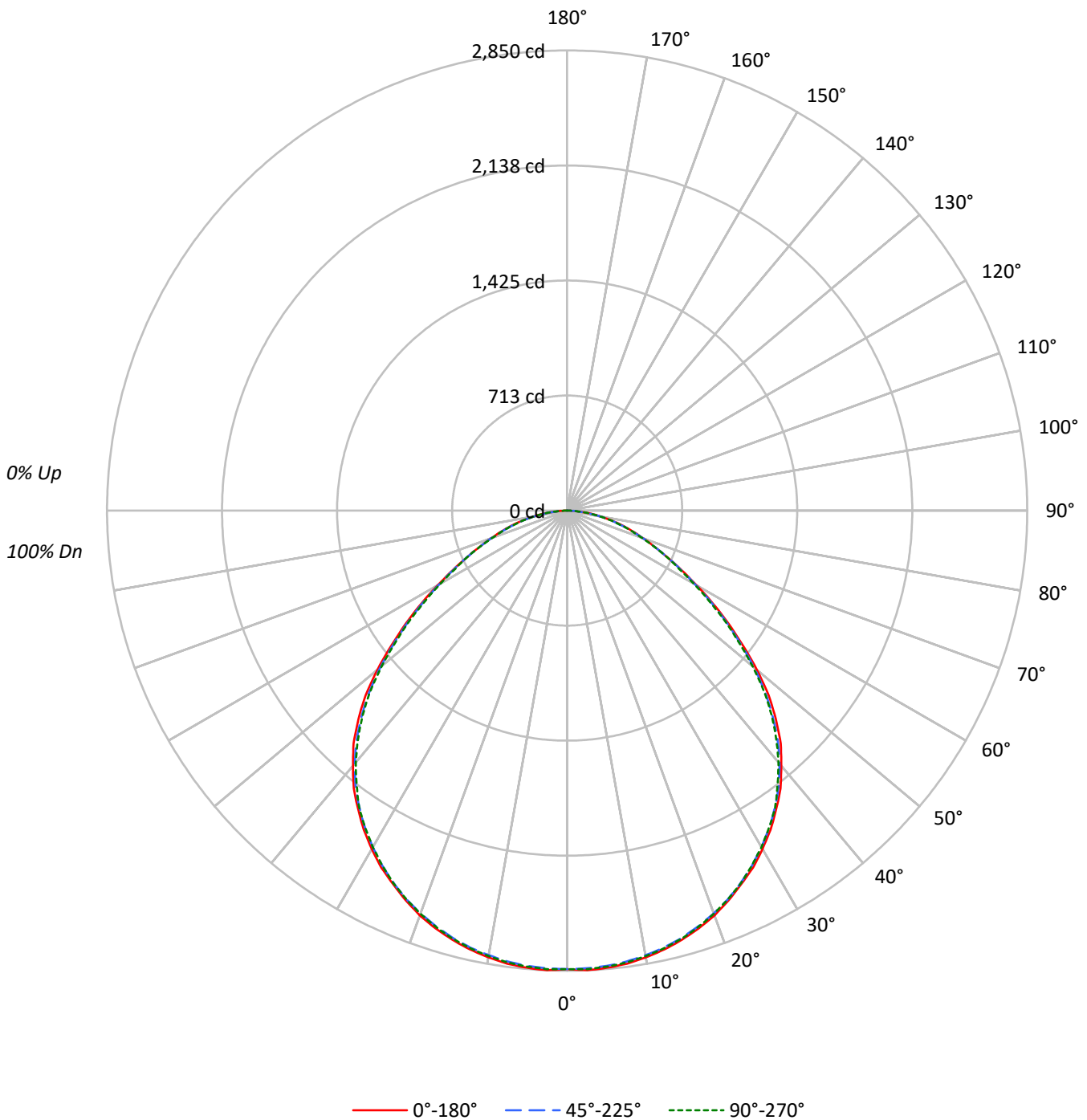
Test Method: LM-79-08  
Report Number: P738639  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2210-816-15)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 2/8/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: 24PT-72-PR1-L830  
Description: 7200 LUMEN 2X4 PERCEIVE PT TROFFER WITH 3000K, 80 CRI LEDS AND RIPPLE LENS  
  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 7233.0 lumens  
Efficiency: N/A  
Efficacy: 120.3 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): 60.1  
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	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°	4072	4072	4072
5°	4091	4074	4081
10°	4090	4070	4080
15°	4084	4066	4074
20°	4071	4051	4054
25°	4038	4025	4028
30°	4007	3984	3984
35°	3951	3928	3932
40°	3862	3829	3813
45°	3708	3648	3629
50°	3422	3373	3341
55°	3047	3003	2983
60°	2656	2626	2599
65°	2327	2329	2316
70°	2094	2087	2058
75°	1950	1893	1897
80°	1741	1708	1708
85°	1344	1382	1331



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	269.4	3.7
10°-20°	773.6	10.7
20°-30°	1172.9	16.2
30°-40°	1402.8	19.4
40°-50°	1385.0	19.1
50°-60°	1078.1	14.9
60°-70°	684.4	9.5
70°-80°	367.3	5.1
80°-90°	99.6	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°	2215.8	30.6
0°-40°	3618.6	50.0
0°-60°	6081.8	84.1
0°-90°	7233.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7233.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	2840	2840	2840	2840	2840	
5°	2842	2834	2831	2829	2835	270
15°	2751	2742	2739	2736	2744	777
25°	2552	2548	2544	2540	2546	1177
35°	2257	2253	2244	2237	2246	1411
45°	1828	1816	1799	1790	1790	1404
55°	1219	1212	1201	1193	1193	1091
65°	686	688	687	678	683	688
75°	352	346	342	341	342	372
85°	82	83	84	84	81	101
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	2840.1	2840.1	2840.1	2840.1	2840.1
2.5°	2849.6	2840.1	2836.9	2835.3	2842.5
5°	2842.5	2833.8	2830.6	2829.0	2835.3
7.5°	2830.6	2820.3	2817.1	2815.5	2822.7
10°	2809.2	2799.7	2795.7	2795.7	2802.0
12.5°	2783.8	2775.9	2771.9	2768.7	2775.9
15°	2751.3	2741.8	2739.4	2736.2	2744.2
17.5°	2712.4	2702.9	2699.8	2698.2	2703.7
20°	2668.0	2656.1	2654.6	2653.8	2656.9
22.5°	2613.3	2607.0	2603.8	2602.2	2604.6
25°	2552.3	2547.5	2544.4	2539.6	2545.9
27.5°	2492.8	2486.5	2478.5	2474.6	2478.5
30°	2419.9	2411.9	2406.4	2404.8	2406.4
32.5°	2344.5	2336.6	2329.5	2328.7	2327.9
35°	2257.3	2252.6	2243.9	2236.7	2246.2
37.5°	2170.9	2159.8	2151.9	2143.2	2140.8
40°	2063.1	2059.1	2045.6	2037.7	2036.9
42.5°	1958.4	1940.2	1930.7	1925.1	1916.4
45°	1828.4	1815.7	1799.0	1790.3	1789.5
47.5°	1692.8	1676.9	1661.1	1649.2	1652.4
50°	1534.2	1527.1	1512.0	1501.7	1497.8
52.5°	1370.9	1369.3	1353.4	1347.1	1340.0
55°	1218.7	1212.3	1201.2	1193.3	1193.3
57.5°	1068.8	1063.3	1057.7	1042.6	1042.6
60°	926.1	925.3	915.8	907.1	906.3
62.5°	798.4	803.2	794.5	785.7	781.0
65°	685.8	688.2	686.6	677.9	682.7
67.5°	586.7	587.5	584.4	579.6	582.8
70°	499.5	503.5	497.9	494.8	490.8
72.5°	423.4	421.8	417.1	419.4	413.9
75°	352.0	346.5	341.7	340.9	342.5
77.5°	280.7	279.1	275.1	275.1	272.8
80°	210.9	209.3	206.9	207.7	206.9
82.5°	149.9	145.9	142.7	144.3	145.1
85°	81.7	83.3	84.0	84.0	80.9
87.5°	33.3	32.5	33.3	34.9	35.7
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)