

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: P738359

Luminaire Tested: **22PT-60-PW1-L830**

Issue Date: 2/8/2024



**Test Information**

Test Method: LM-79-08  
Report Number: P738359  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2210-816-12)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 2/8/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: 22PT-60-PW1-L830  
Description: 6000 LUMEN 2X2 PERCEIVE PT TROFFER WITH 3000K, 80 CRI LEDS AND WAVES LENS  
  
Light Source: -  
Ballast/Driver: -

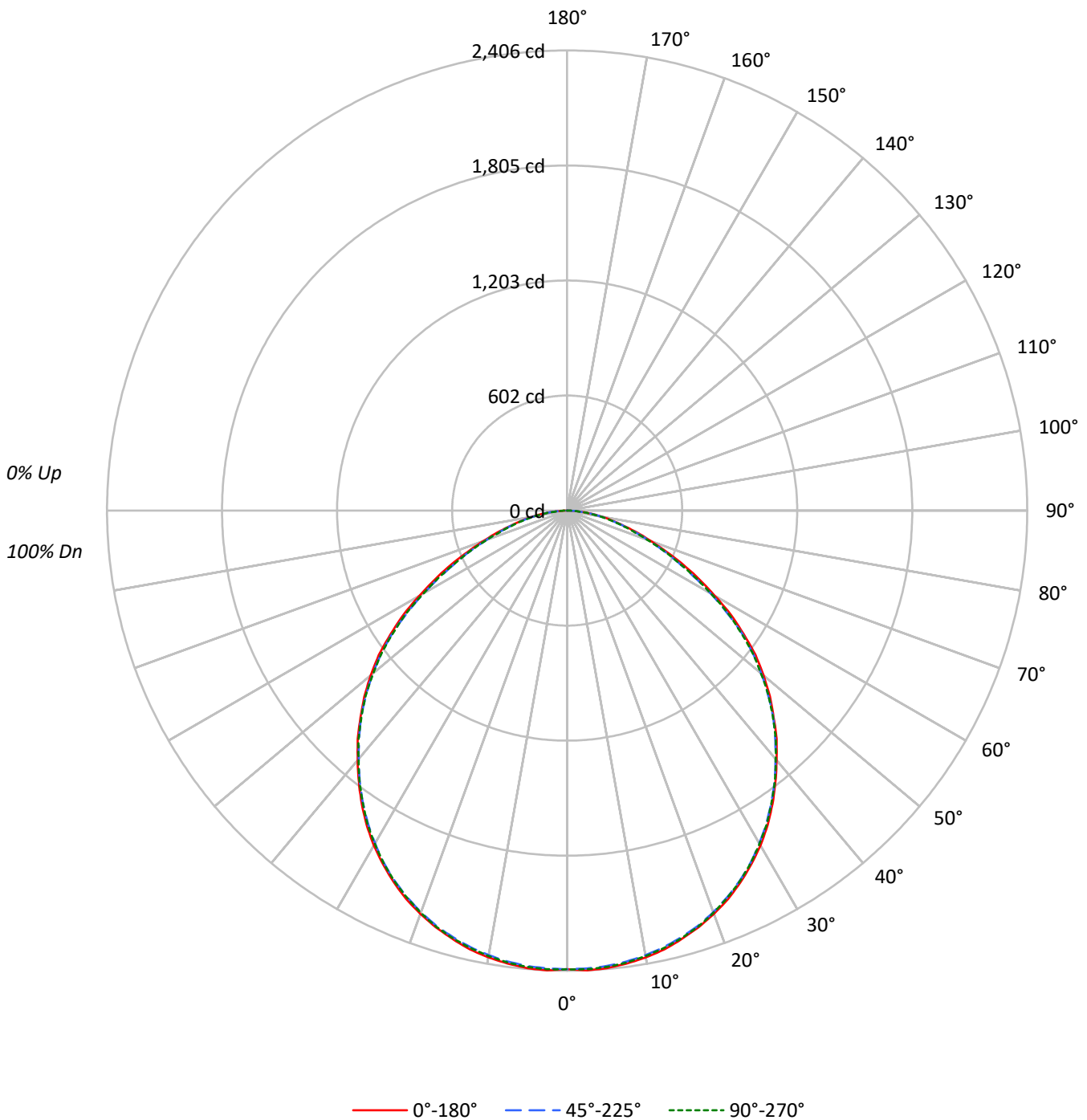
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 6246.0 lumens  
Efficiency: N/A  
Efficacy: 120.6 lumens/watt  
Spacing Criteria (0/90/45): 1.25 / 1.24 / 1.34  
Luminous Opening: Rectangular (W 1.92' x L: 1.92' x H: 0')  
CIE Type: Direct  
  
Input Watts (W): 51.8  
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	109	105	101	97	107	103	99	96	98	95	93	95	92	90	91	89	87	85
2	100	92	86	80	97	90	84	79	87	82	77	84	79	76	81	77	74	72
3	92	81	74	67	89	80	73	67	77	71	66	74	69	64	72	67	63	61
4	84	72	64	57	82	71	63	57	69	62	56	66	60	56	64	59	55	53
5	77	65	56	50	75	64	56	49	62	54	49	60	53	48	58	52	48	46
6	72	59	50	44	70	58	49	43	56	48	43	54	48	43	53	47	42	40
7	66	53	45	39	65	52	44	38	51	44	38	49	43	38	48	42	38	36
8	62	49	40	35	60	48	40	34	47	39	34	45	39	34	44	38	34	32
9	58	45	37	31	56	44	36	31	43	36	31	42	35	31	41	35	31	29
10	54	41	33	28	53	41	33	28	40	33	28	39	32	28	38	32	28	26

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

	0°	45°	90°
0°	7027	7027	7027
5°	7062	7030	7044
10°	7057	7023	7037
15°	7034	7003	7020
20°	6997	6967	6978
25°	6934	6903	6912
30°	6842	6799	6808
35°	6697	6660	6665
40°	6519	6485	6490
45°	6330	6307	6299
50°	6111	6043	6027
55°	5758	5682	5650
60°	5227	5075	5087
65°	4647	4430	4430
70°	3984	3838	3809
75°	3455	3378	3301
80°	3108	2983	2926
85°	2468	2491	2353



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	227.4	3.6
10°-20°	652.2	10.4
20°-30°	983.9	15.8
30°-40°	1165.3	18.7
40°-50°	1173.0	18.8
50°-60°	991.9	15.9
60°-70°	645.0	10.3
70°-80°	320.9	5.1
80°-90°	86.5	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°	1863.4	29.8
0°-40°	3028.7	48.5
0°-60°	5193.6	83.2
0°-90°	6246.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6246.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	2398	2398	2398	2398	2398	
5°	2401	2392	2390	2389	2395	228
15°	2319	2311	2309	2308	2314	654
25°	2145	2137	2135	2133	2138	988
35°	1872	1864	1862	1862	1863	1170
45°	1528	1522	1522	1520	1520	1179
55°	1127	1118	1112	1107	1106	1006
65°	670	652	639	634	639	665
75°	305	305	298	290	292	331
85°	73	75	74	74	70	88
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	2398.4	2398.4	2398.4	2398.4	2398.4
2.5°	2406.5	2398.4	2395.6	2394.3	2400.4
5°	2401.1	2392.2	2390.2	2388.9	2395.0
7.5°	2388.9	2380.7	2378.0	2377.3	2383.4
10°	2371.9	2363.7	2360.3	2358.9	2365.1
12.5°	2350.1	2341.3	2337.9	2336.5	2341.9
15°	2318.8	2311.4	2308.6	2308.0	2314.1
17.5°	2284.8	2277.4	2276.0	2274.0	2280.1
20°	2244.1	2236.6	2234.5	2231.8	2237.9
22.5°	2199.2	2190.3	2187.6	2185.6	2190.3
25°	2144.8	2137.3	2135.3	2133.2	2138.0
27.5°	2085.0	2079.5	2076.8	2074.8	2077.5
30°	2022.4	2012.9	2009.5	2008.2	2012.2
32.5°	1950.4	1943.6	1938.8	1938.1	1942.9
35°	1872.2	1864.0	1862.0	1862.0	1863.4
37.5°	1789.3	1785.2	1781.8	1779.7	1783.8
40°	1704.3	1702.9	1695.4	1694.8	1696.8
42.5°	1620.7	1615.2	1609.8	1612.5	1613.9
45°	1527.5	1522.1	1522.1	1520.1	1520.1
47.5°	1437.8	1432.4	1424.9	1425.6	1426.9
50°	1340.6	1333.8	1325.6	1330.4	1322.2
52.5°	1241.3	1229.1	1223.0	1223.0	1222.3
55°	1127.1	1117.6	1112.2	1107.4	1106.0
57.5°	1017.0	1002.7	989.1	990.5	995.2
60°	891.9	885.1	866.1	867.4	868.1
62.5°	779.1	766.1	746.4	746.4	753.2
65°	670.3	651.9	639.0	634.3	639.0
67.5°	563.6	553.4	542.5	535.0	541.8
70°	465.0	459.6	448.0	440.5	444.6
72.5°	384.8	377.3	367.8	363.7	359.6
75°	305.2	305.2	298.4	290.3	291.6
77.5°	240.7	238.6	233.9	230.5	230.5
80°	184.2	182.2	176.8	175.4	173.4
82.5°	127.1	127.8	125.1	123.0	120.3
85°	73.4	74.8	74.1	74.1	70.0
87.5°	31.3	28.6	30.6	29.9	32.6
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)