

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: P738311

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

Issue Date: 2/8/2024



**Test Information**

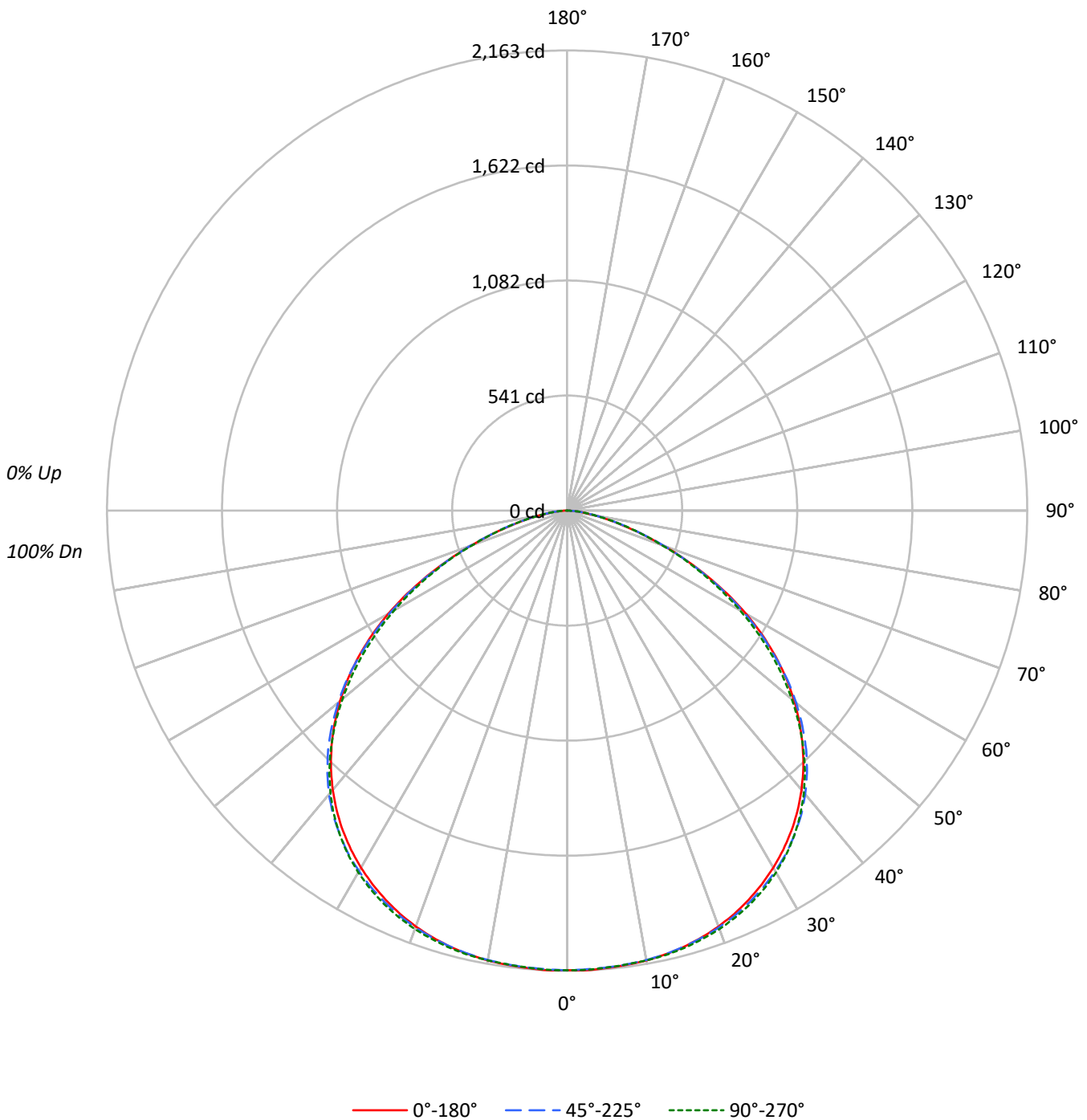
Test Method: LM-79-08  
Report Number: P738311  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P506233)  
Test Lab: INNOVATION CENTER  
Issue Date: 2/8/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: 22PT-60-PW1-L830  
Description: 6000 LUMEN 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): 1.33 / 1.34 / 1.44  
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 (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	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					100			
1	109	105	101	97	107	103	99	96	99	96	93	95	92	90	91	89	87					85				
2	100	92	85	80	97	90	84	79	87	82	77	83	79	75	80	77	74					72				
3	91	81	73	67	89	79	72	66	76	70	65	74	68	64	71	67	63					61				
4	83	72	63	57	81	70	62	56	68	61	55	66	60	55	63	58	54					52				
5	77	64	55	49	75	63	55	48	61	54	48	59	52	47	57	51	47					45				
6	71	58	49	42	69	57	48	42	55	47	42	53	47	42	52	46	41					39				
7	66	52	44	37	64	51	43	37	50	42	37	48	42	37	47	41	37					35				
8	61	48	39	33	59	47	39	33	46	38	33	44	38	33	43	37	33					31				
9	57	44	35	30	56	43	35	30	42	35	30	41	34	30	40	34	29					28				
10	53	40	32	27	52	40	32	27	39	32	27	38	31	27	37	31	27					25				

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

	0°	45°	90°
0°	6331	6331	6331
5°	6348	6339	6342
10°	6390	6381	6388
15°	6439	6438	6456
20°	6487	6502	6528
25°	6526	6564	6594
30°	6559	6621	6645
35°	6574	6660	6663
40°	6554	6660	6623
45°	6490	6583	6503
50°	6358	6404	6287
55°	6111	6084	5969
60°	5689	5625	5507
65°	5017	4968	4873
70°	4109	4128	4042
75°	3112	3217	3191
80°	2256	2345	2307
85°	1476	1533	1637



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	205.5	3.3
10°-20°	600.1	9.6
20°-30°	935.6	15.0
30°-40°	1159.6	18.6
40°-50°	1213.4	19.4
50°-60°	1057.4	16.9
60°-70°	708.3	11.3
70°-80°	307.1	4.9
80°-90°	59.1	0.9
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°	1741.2	27.9
0°-40°	2900.8	46.4
0°-60°	5171.5	82.8
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°	2161	2161	2161	2161	2161	
5°	2158	2156	2155	2155	2156	206
15°	2123	2120	2122	2124	2128	600
25°	2019	2019	2030	2036	2040	931
35°	1838	1845	1862	1864	1863	1149
45°	1566	1575	1589	1575	1569	1206
55°	1196	1195	1191	1178	1168	1065
65°	724	720	717	710	703	716
75°	275	280	284	282	282	303
85°	44	47	46	46	49	57
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	2160.8	2160.8	2160.8	2160.8	2160.8
2.5°	2163.1	2159.2	2158.4	2158.4	2160.8
5°	2158.4	2156.1	2155.3	2154.7	2156.1
7.5°	2153.8	2150.8	2151.6	2149.9	2151.6
10°	2147.7	2144.6	2144.6	2144.6	2146.9
12.5°	2136.8	2134.5	2135.4	2136.8	2139.9
15°	2122.8	2119.8	2122.2	2124.5	2128.4
17.5°	2103.5	2101.3	2105.2	2109.1	2112.2
20°	2080.5	2078.1	2085.1	2090.6	2093.7
22.5°	2051.8	2051.2	2060.4	2066.6	2068.8
25°	2018.7	2019.3	2030.2	2036.4	2039.5
27.5°	1980.7	1982.4	1996.4	2001.7	2004.8
30°	1938.5	1942.1	1956.9	1961.4	1963.9
32.5°	1890.4	1896.0	1913.6	1916.7	1916.7
35°	1838.0	1844.8	1861.9	1864.1	1862.7
37.5°	1779.3	1786.9	1806.2	1803.1	1800.9
40°	1713.6	1722.0	1741.3	1735.2	1731.5
42.5°	1643.4	1651.8	1668.9	1659.6	1654.1
45°	1566.2	1574.6	1588.6	1575.4	1569.3
47.5°	1482.6	1492.7	1499.7	1485.1	1477.3
50°	1394.8	1397.8	1404.8	1387.8	1379.2
52.5°	1298.9	1298.9	1304.4	1285.7	1275.7
55°	1196.2	1195.4	1190.9	1177.7	1168.5
57.5°	1087.4	1082.7	1079.6	1065.6	1054.9
60°	970.8	963.8	959.9	948.4	939.8
62.5°	848.8	844.9	840.2	830.9	821.7
65°	723.6	719.7	716.6	709.8	702.8
67.5°	599.3	596.9	596.9	592.4	591.5
70°	479.6	481.1	481.9	481.9	471.8
72.5°	371.4	372.3	376.2	373.1	372.3
75°	274.9	279.6	284.2	281.9	281.9
77.5°	197.7	204.7	204.7	203.1	200.8
80°	133.7	136.7	139.0	138.2	136.7
82.5°	85.0	87.3	85.0	86.4	87.3
85°	43.9	47.0	45.6	46.4	48.7
87.5°	14.6	16.2	17.0	16.2	16.2
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)