

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: P738615

Luminaire Tested: **24PT-60-PW1-L830**

Issue Date: 2/8/2024



**Test Information**

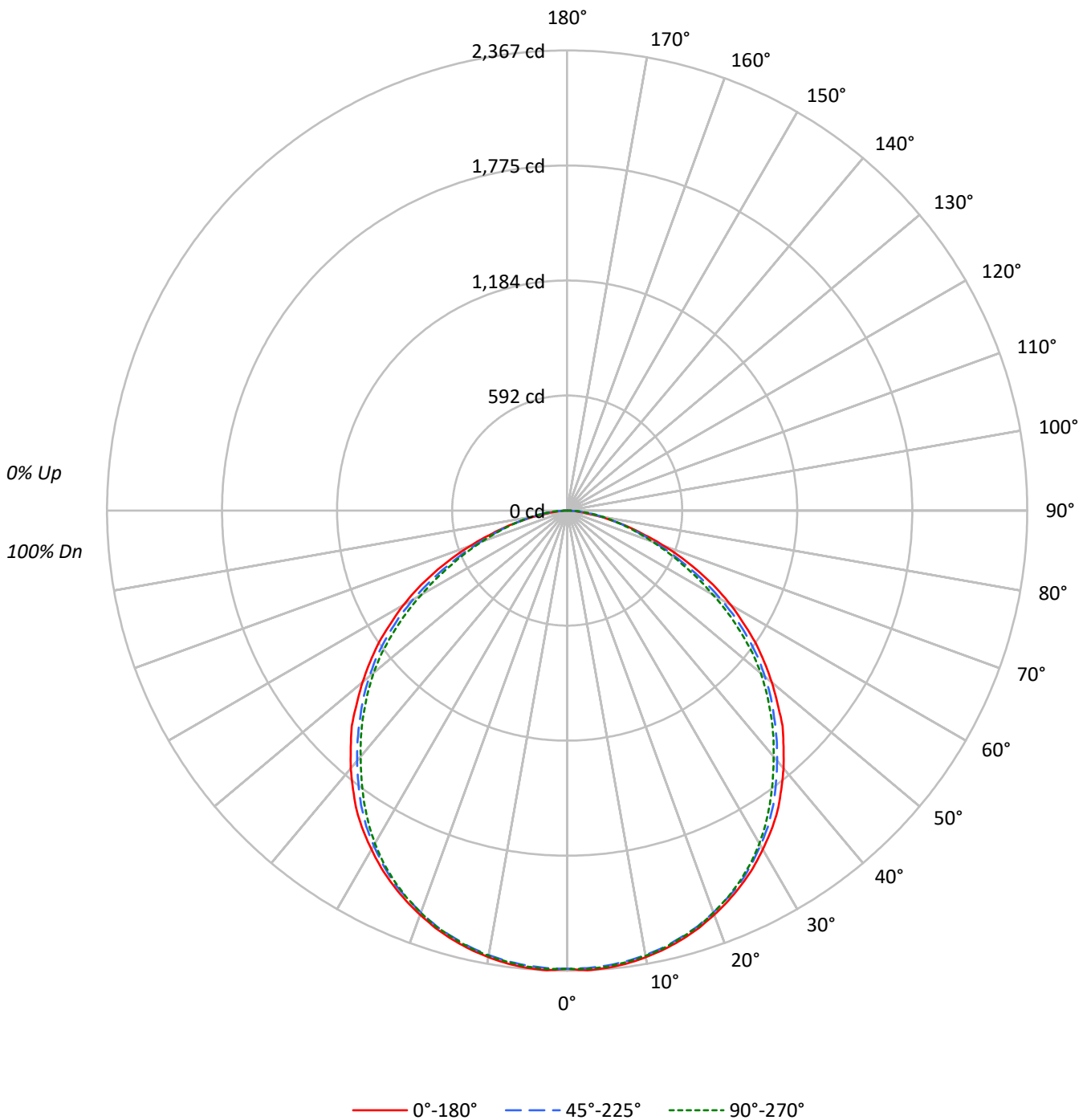
Test Method: LM-79-08  
Report Number: P738615  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2210-816-13)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 2/8/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: 24PT-60-PW1-L830  
Description: 6000 LUMEN 2X4 PERCEIVE PT TROFFER WITH 3000K, 80 CRI LEDS AND WAVES LENS  
  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 6286.0 lumens  
Efficiency: N/A  
Efficacy: 124.0 lumens/watt  
Spacing Criteria (0/90/45): 1.27 / 1.24 / 1.35  
Luminous Opening: Rectangular (W 1.92' x L: 3.92' x H: 0')  
CIE Type: Direct  
  
Input Watts (W): 50.7  
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

TEST NUMBER: P738615  
CATALOG NUMBER: 24PT-60-PW1-L830

### Luminous Intensity Polar Plot





TEST NUMBER: P738615

CATALOG NUMBER: 24PT-60-PW1-L830

**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	95	98	95	92	94	92	90	91	89	87	85
2	100	92	85	80	97	90	84	79	86	81	77	83	79	75	80	77	74	71
3	91	81	73	67	89	79	72	66	76	70	65	74	68	64	71	67	63	61
4	84	72	63	57	81	71	63	56	68	61	56	66	60	55	64	58	54	52
5	77	64	56	49	75	63	55	49	61	54	48	59	53	48	57	52	47	45
6	71	58	49	43	69	57	49	43	55	48	42	54	47	42	52	46	42	40
7	66	53	44	38	64	52	44	38	50	43	38	49	42	37	48	42	37	35
8	61	48	40	34	60	47	39	34	46	39	34	45	38	33	44	38	33	31
9	57	44	36	31	56	44	36	31	42	35	30	41	35	30	40	34	30	28
10	54	41	33	28	53	40	33	28	39	32	28	38	32	27	37	32	27	26

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

	0°	45°	90°
0°	3380	3380	3380
5°	3399	3382	3389
10°	3397	3381	3387
15°	3390	3372	3376
20°	3377	3357	3359
25°	3359	3339	3327
30°	3332	3294	3274
35°	3302	3235	3190
40°	3242	3146	3094
45°	3177	3054	3005
50°	3065	2962	2899
55°	2953	2827	2724
60°	2791	2619	2484
65°	2555	2333	2213
70°	2214	2023	1949
75°	1812	1745	1722
80°	1323	1491	1537
85°	885	1245	1323



TEST NUMBER: P738615

CATALOG NUMBER: 24PT-60-PW1-L830

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	223.6	3.6
10°-20°	641.9	10.2
20°-30°	971.5	15.5
30°-40°	1155.9	18.4
40°-50°	1167.6	18.6
50°-60°	1010.3	16.1
60°-70°	690.2	11.0
70°-80°	340.1	5.4
80°-90°	85.0	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°	1836.9	29.2
0°-40°	2992.8	47.6
0°-60°	5170.7	82.3
0°-90°	6286.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6286.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	2358	2358	2358	2358	2358	
5°	2362	2353	2350	2348	2355	224
15°	2284	2276	2272	2270	2274	645
25°	2123	2115	2111	2103	2103	978
35°	1886	1871	1848	1828	1822	1178
45°	1567	1540	1506	1489	1482	1203
55°	1181	1165	1131	1107	1090	1052
65°	753	724	688	665	652	744
75°	327	318	315	313	311	350
85°	54	67	76	78	80	69
90°	0	0	0	0	0	



TEST NUMBER: P738615

CATALOG NUMBER: 24PT-60-PW1-L830

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	2357.5	2357.5	2357.5	2357.5	2357.5
2.5°	2367.0	2358.2	2355.4	2353.4	2359.5
5°	2361.6	2352.7	2350.0	2348.0	2354.8
7.5°	2350.0	2341.1	2338.4	2336.4	2341.8
10°	2333.0	2324.8	2322.1	2320.0	2326.1
12.5°	2311.1	2303.7	2300.2	2297.5	2304.3
15°	2283.9	2276.4	2271.6	2270.3	2274.3
17.5°	2251.2	2243.7	2240.3	2238.2	2243.0
20°	2213.0	2204.8	2200.1	2197.3	2201.4
22.5°	2170.7	2162.6	2156.4	2153.7	2155.1
25°	2123.0	2114.9	2110.8	2102.6	2102.6
27.5°	2071.9	2062.4	2052.2	2043.3	2044.0
30°	2012.6	2001.7	1989.5	1977.9	1977.2
32.5°	1952.7	1939.0	1924.0	1908.3	1903.6
35°	1886.5	1870.9	1848.4	1827.9	1822.5
37.5°	1808.8	1794.5	1764.5	1747.5	1738.6
40°	1731.8	1711.4	1680.7	1660.9	1652.8
42.5°	1647.3	1627.5	1594.8	1576.4	1569.6
45°	1566.9	1540.3	1506.2	1489.2	1481.7
47.5°	1466.7	1444.9	1421.0	1401.3	1391.7
50°	1374.0	1356.3	1327.7	1305.9	1299.7
52.5°	1277.2	1262.2	1235.0	1206.3	1199.5
55°	1181.1	1164.8	1130.7	1106.8	1089.8
57.5°	1072.8	1058.5	1026.4	995.7	980.8
60°	973.3	948.7	913.3	879.9	866.3
62.5°	864.9	841.0	800.1	766.1	758.6
65°	753.1	724.5	687.7	665.2	652.2
67.5°	640.0	612.0	581.4	567.1	558.9
70°	528.2	505.7	482.5	472.3	464.8
72.5°	420.5	407.6	394.6	390.5	383.7
75°	327.1	317.6	314.9	312.8	310.8
77.5°	235.8	240.6	243.3	246.0	243.3
80°	160.2	170.4	180.6	186.1	186.1
82.5°	98.8	116.5	125.4	130.9	130.2
85°	53.8	66.8	75.7	78.4	80.4
87.5°	21.8	27.3	30.7	33.4	34.8
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)