

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: P738335

Luminaire Tested: **22PT-35-PW1-L830**

Issue Date: 2/8/2024



**Test Information**

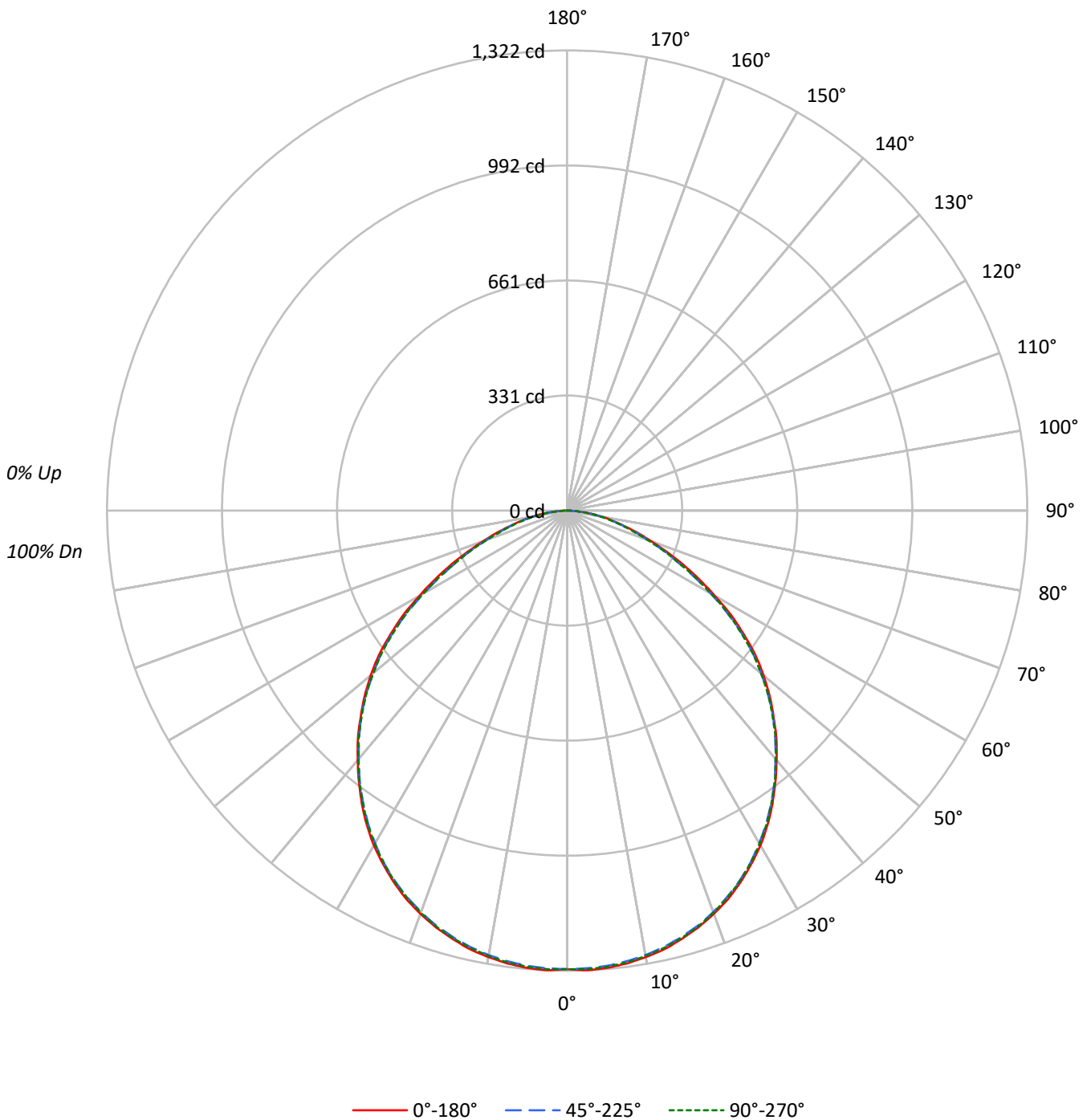
Test Method: LM-79-08  
Report Number: P738335  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2210-816-12)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 2/8/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: 22PT-35-PW1-L830  
Description: 3500 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: 3431.0 lumens  
Efficiency: N/A  
Efficacy: 130.5 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): 26.3  
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: P738335  
CATALOG NUMBER: 22PT-35-PW1-L830

### Luminous Intensity Polar Plot





TEST NUMBER: P738335

CATALOG NUMBER: 22PT-35-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	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°	3860	3860	3860
5°	3879	3862	3870
10°	3876	3857	3865
15°	3864	3847	3856
20°	3844	3827	3833
25°	3809	3792	3797
30°	3759	3735	3740
35°	3679	3659	3661
40°	3581	3562	3565
45°	3477	3465	3460
50°	3357	3319	3311
55°	3163	3121	3104
60°	2871	2788	2795
65°	2553	2434	2434
70°	2188	2108	2092
75°	1899	1855	1814
80°	1708	1638	1606
85°	1355	1368	1294



TEST NUMBER: P738335

CATALOG NUMBER: 22PT-35-PW1-L830

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	124.9	3.6
10°-20°	358.2	10.4
20°-30°	540.4	15.8
30°-40°	640.1	18.7
40°-50°	644.4	18.8
50°-60°	544.8	15.9
60°-70°	354.3	10.3
70°-80°	176.3	5.1
80°-90°	47.5	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°	1023.6	29.8
0°-40°	1663.7	48.5
0°-60°	2852.9	83.2
0°-90°	3431.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3431.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1318	1318	1318	1318	1318	
5°	1319	1314	1313	1312	1316	125
15°	1274	1270	1268	1268	1271	360
25°	1178	1174	1173	1172	1174	543
35°	1028	1024	1023	1023	1024	643
45°	839	836	836	835	835	648
55°	619	614	611	608	608	553
65°	368	358	351	348	351	365
75°	168	168	164	160	160	182
85°	40	41	41	41	38	48
90°	0	0	0	0	0	



TEST NUMBER: P738335

CATALOG NUMBER: 22PT-35-PW1-L830

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1317.5	1317.5	1317.5	1317.5	1317.5
2.5°	1321.9	1317.5	1316.0	1315.2	1318.6
5°	1318.9	1314.1	1313.0	1312.2	1315.6
7.5°	1312.2	1307.7	1306.2	1305.9	1309.2
10°	1302.9	1298.4	1296.5	1295.8	1299.2
12.5°	1290.9	1286.1	1284.2	1283.5	1286.5
15°	1273.8	1269.7	1268.2	1267.8	1271.1
17.5°	1255.1	1251.0	1250.2	1249.1	1252.5
20°	1232.7	1228.6	1227.5	1226.0	1229.3
22.5°	1208.0	1203.2	1201.7	1200.6	1203.2
25°	1178.2	1174.1	1172.9	1171.8	1174.4
27.5°	1145.3	1142.3	1140.8	1139.7	1141.2
30°	1110.9	1105.7	1103.9	1103.1	1105.3
32.5°	1071.4	1067.6	1065.0	1064.6	1067.3
35°	1028.4	1023.9	1022.8	1022.8	1023.6
37.5°	982.9	980.6	978.8	977.6	979.9
40°	936.2	935.4	931.3	931.0	932.1
42.5°	890.3	887.3	884.3	885.8	886.5
45°	839.1	836.1	836.1	835.0	835.0
47.5°	789.8	786.8	782.7	783.1	783.8
50°	736.4	732.7	728.2	730.8	726.3
52.5°	681.9	675.2	671.8	671.8	671.4
55°	619.1	613.9	610.9	608.3	607.6
57.5°	558.6	550.8	543.3	544.1	546.7
60°	489.9	486.2	475.7	476.5	476.9
62.5°	427.9	420.9	410.0	410.0	413.8
65°	368.2	358.1	351.0	348.4	351.0
67.5°	309.6	304.0	298.0	293.9	297.6
70°	255.4	252.4	246.1	242.0	244.2
72.5°	211.4	207.3	202.0	199.8	197.5
75°	167.7	167.7	163.9	159.5	160.2
77.5°	132.2	131.1	128.5	126.6	126.6
80°	101.2	100.1	97.1	96.3	95.2
82.5°	69.8	70.2	68.7	67.6	66.1
85°	40.3	41.1	40.7	40.7	38.5
87.5°	17.2	15.7	16.8	16.4	17.9
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)