

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: P738168

Luminaire Tested: **22PT-35-PW1-L835**

Issue Date: 2/8/2024



**Test Information**

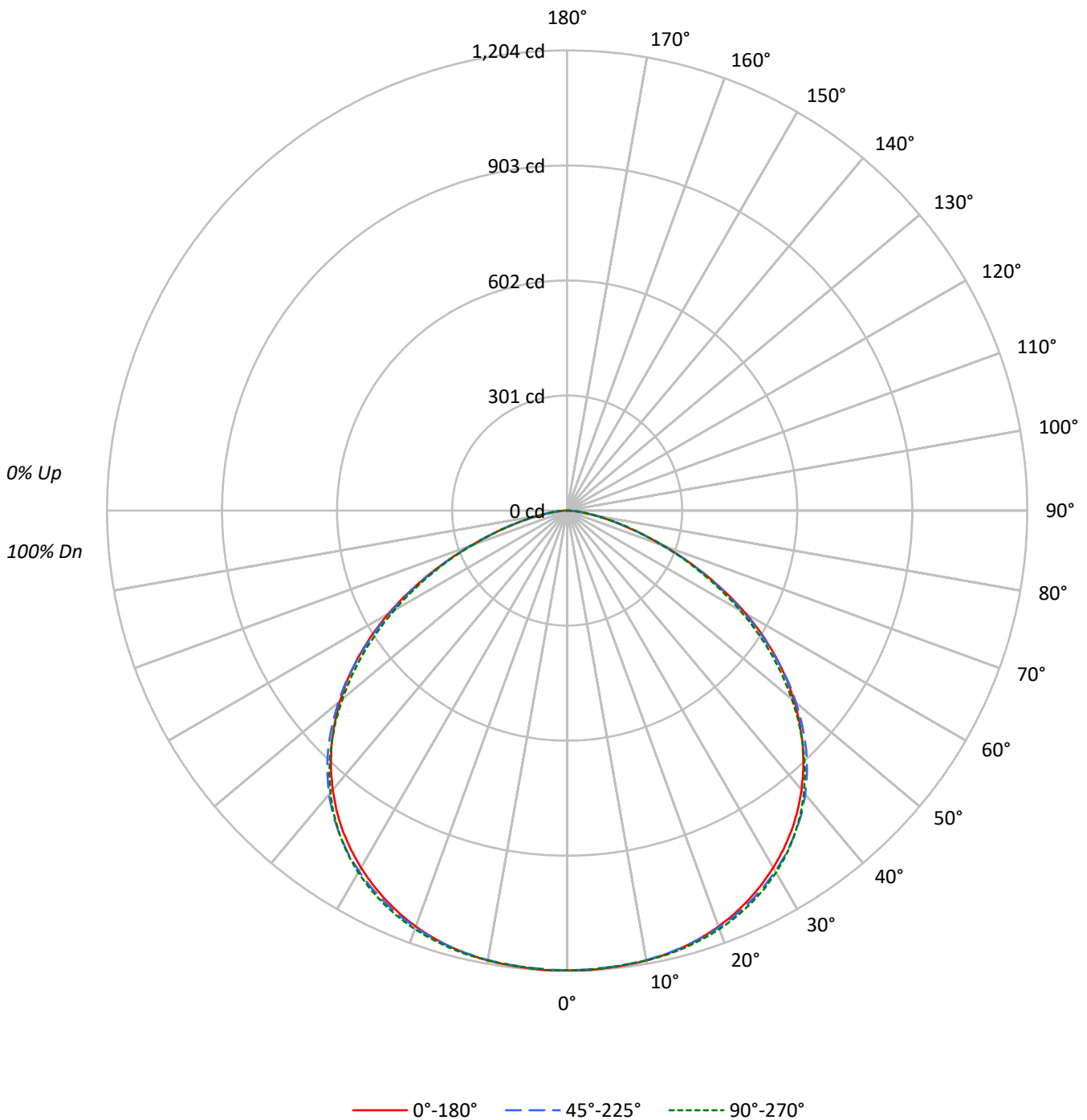
Test Method: LM-79-08  
Report Number: P738168  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P506233)  
Test Lab: INNOVATION CENTER  
Issue Date: 2/8/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: 22PT-35-PW1-L835  
Description: 3500 LUMEN 2X2 PERCEIVE PT TROFFER WITH 3500K, 80 CRI LEDS AND WAVES LENS  
  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3477.0 lumens  
Efficiency: N/A  
Efficacy: 132.2 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): 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

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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	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°	3525	3525	3525
5°	3534	3529	3530
10°	3557	3552	3556
15°	3585	3584	3594
20°	3611	3619	3634
25°	3633	3654	3670
30°	3651	3686	3699
35°	3660	3708	3709
40°	3649	3708	3687
45°	3613	3664	3620
50°	3539	3565	3499
55°	3402	3386	3323
60°	3167	3131	3065
65°	2793	2766	2712
70°	2287	2299	2251
75°	1732	1791	1776
80°	1255	1306	1284
85°	824	854	911



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	114.4	3.3
10°-20°	334.1	9.6
20°-30°	520.8	15.0
30°-40°	645.5	18.6
40°-50°	675.5	19.4
50°-60°	588.6	16.9
60°-70°	394.3	11.3
70°-80°	170.9	4.9
80°-90°	32.9	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°	969.3	27.9
0°-40°	1614.8	46.4
0°-60°	2878.8	82.8
0°-90°	3477.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3477.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1203	1203	1203	1203	1203	
5°	1202	1200	1200	1199	1200	115
15°	1182	1180	1181	1183	1185	334
25°	1124	1124	1130	1134	1135	518
35°	1023	1027	1036	1038	1037	640
45°	872	877	884	877	874	671
55°	666	665	663	656	650	593
65°	403	401	399	395	391	398
75°	153	156	158	157	157	169
85°	24	26	25	26	27	32
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1202.9	1202.9	1202.9	1202.9	1202.9
2.5°	1204.1	1202.0	1201.5	1201.5	1202.9
5°	1201.5	1200.2	1199.8	1199.4	1200.2
7.5°	1199.0	1197.3	1197.7	1196.8	1197.7
10°	1195.6	1193.8	1193.8	1193.8	1195.1
12.5°	1189.5	1188.2	1188.7	1189.5	1191.2
15°	1181.7	1180.0	1181.4	1182.6	1184.8
17.5°	1171.0	1169.7	1171.9	1174.1	1175.8
20°	1158.2	1156.8	1160.7	1163.8	1165.5
22.5°	1142.2	1141.8	1147.0	1150.4	1151.7
25°	1123.8	1124.1	1130.2	1133.6	1135.3
27.5°	1102.6	1103.6	1111.3	1114.3	1116.0
30°	1079.1	1081.1	1089.4	1091.9	1093.3
32.5°	1052.3	1055.4	1065.3	1067.0	1067.0
35°	1023.2	1027.0	1036.5	1037.7	1036.9
37.5°	990.5	994.7	1005.5	1003.8	1002.5
40°	953.9	958.6	969.4	965.9	963.9
42.5°	914.8	919.5	929.0	923.9	920.8
45°	871.9	876.6	884.3	877.0	873.6
47.5°	825.3	830.9	834.8	826.7	822.4
50°	776.4	778.1	782.0	772.5	767.7
52.5°	723.1	723.1	726.1	715.7	710.1
55°	665.9	665.4	662.9	655.6	650.5
57.5°	605.3	602.7	601.0	593.2	587.3
60°	540.4	536.5	534.3	527.9	523.1
62.5°	472.5	470.3	467.7	462.6	457.4
65°	402.8	400.6	398.9	395.1	391.2
67.5°	333.6	332.3	332.3	329.8	329.3
70°	267.0	267.8	268.3	268.3	262.7
72.5°	206.8	207.2	209.4	207.7	207.2
75°	153.0	155.7	158.2	156.9	156.9
77.5°	110.1	114.0	114.0	113.0	111.8
80°	74.4	76.1	77.4	76.9	76.1
82.5°	47.3	48.6	47.3	48.1	48.6
85°	24.5	26.2	25.4	25.8	27.1
87.5°	8.1	9.0	9.5	9.0	9.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)