

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: P738476

Luminaire Tested: **24PT-35-PL1-L935**

Issue Date: 2/8/2024



**Test Information**

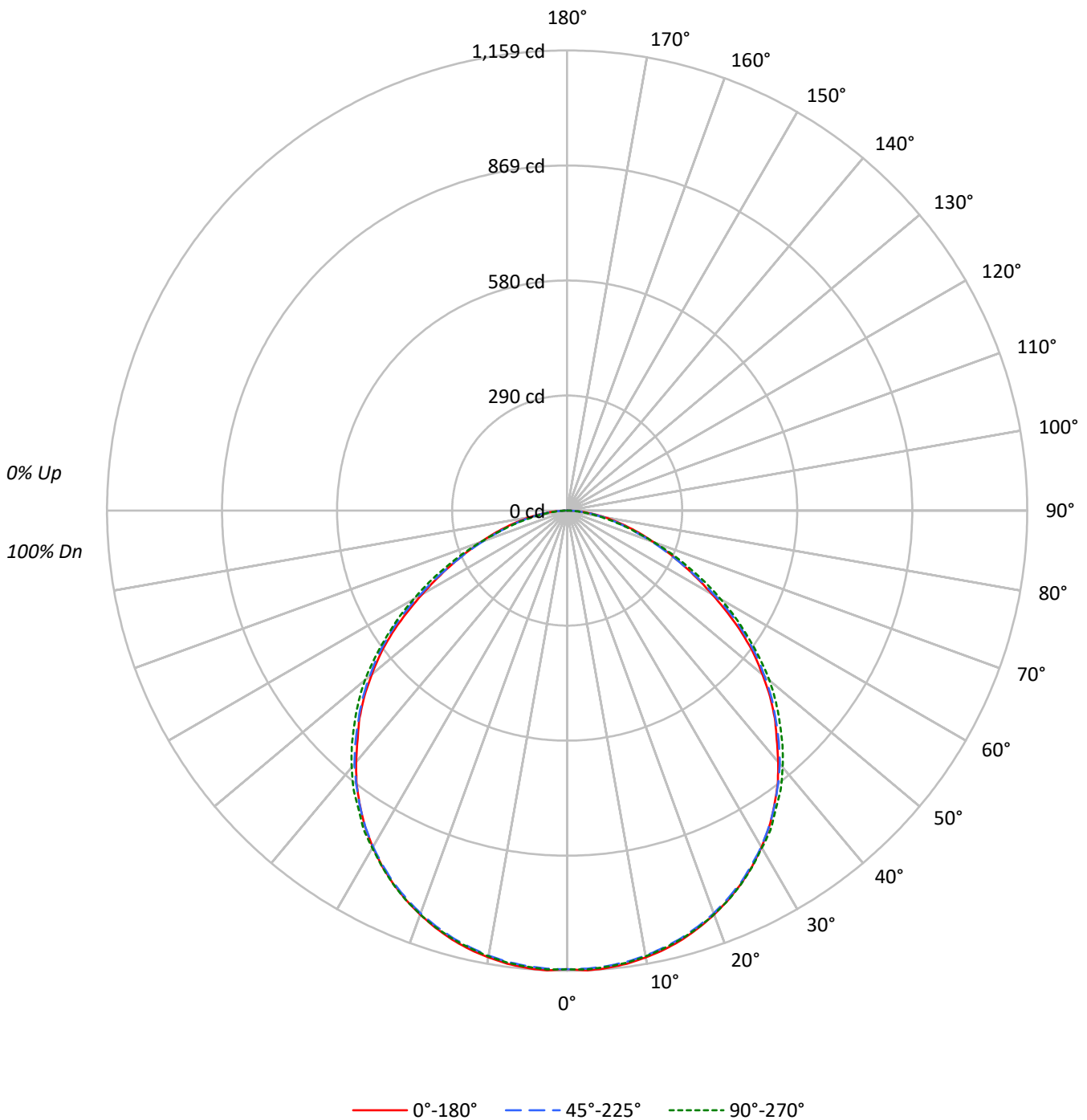
Test Method: LM-79-08  
Report Number: P738476  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2210-816-14)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 2/8/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: 24PT-35-PL1-L935  
Description: 3500 LUMEN 2X4 PERCEIVE PT TROFFER WITH 3500K, 90 CRI LEDS AND LEAVES LENS  
  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3058.0 lumens  
Efficiency: N/A  
Efficacy: 108.4 lumens/watt  
Spacing Criteria (0/90/45): 1.26 / 1.26 / 1.35  
Luminous Opening: Rectangular (W 1.92' x L: 3.92' x H: 0')  
CIE Type: Direct  
  
Input Watts (W): 28.2  
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	98	95	93		95	92	90		91	89	87	85
2	100	92	86	80	97	90	84	79	87	82	77		83	79	76		80	77	74	72
3	91	81	73	67	89	80	72	67	77	70	65		74	69	64		71	67	63	61
4	84	72	64	57	82	71	63	57	68	62	56		66	60	55		64	59	55	52
5	77	65	56	49	75	64	55	49	61	54	49		60	53	48		58	52	48	46
6	71	58	50	43	69	57	49	43	56	48	43		54	47	42		52	47	42	40
7	66	53	44	38	65	52	44	38	51	43	38		49	43	38		48	42	37	35
8	62	48	40	34	60	48	40	34	46	39	34		45	39	34		44	38	34	32
9	58	44	36	31	56	44	36	31	43	36	31		42	35	30		41	35	30	29
10	54	41	33	28	53	40	33	28	40	33	28		39	32	28		38	32	28	26

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

	0°	45°	90°
0°	1657	1657	1657
5°	1665	1658	1660
10°	1664	1657	1660
15°	1661	1654	1657
20°	1652	1647	1651
25°	1640	1637	1642
30°	1621	1619	1624
35°	1591	1592	1604
40°	1548	1560	1581
45°	1500	1506	1536
50°	1433	1449	1484
55°	1345	1370	1390
60°	1208	1237	1283
65°	1081	1083	1141
70°	963	937	971
75°	870	819	804
80°	773	721	636
85°	633	600	497



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	109.6	3.6
10°-20°	314.7	10.3
20°-30°	476.7	15.6
30°-40°	569.7	18.6
40°-50°	574.7	18.8
50°-60°	487.6	15.9
60°-70°	322.6	10.5
70°-80°	160.1	5.2
80°-90°	42.3	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°	901.0	29.5
0°-40°	1470.7	48.1
0°-60°	2532.9	82.8
0°-90°	3058.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3058.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1155	1155	1155	1155	1155	
5°	1157	1153	1152	1151	1153	110
15°	1119	1115	1114	1114	1116	316
25°	1037	1034	1034	1034	1038	477
35°	909	908	910	914	916	568
45°	740	738	743	753	758	569
55°	538	539	548	553	556	478
65°	318	318	319	329	336	318
75°	157	153	148	143	145	168
85°	38	38	36	34	30	46
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1155.3	1155.3	1155.3	1155.3	1155.3
2.5°	1159.3	1155.6	1154.6	1154.0	1156.6
5°	1156.6	1152.6	1151.6	1151.0	1153.3
7.5°	1151.3	1147.0	1146.3	1145.7	1148.7
10°	1142.7	1138.7	1138.0	1137.4	1140.0
12.5°	1132.4	1128.4	1127.1	1127.4	1129.1
15°	1118.8	1115.1	1114.1	1114.1	1116.4
17.5°	1101.8	1098.5	1097.9	1097.5	1100.5
20°	1082.9	1079.6	1079.6	1080.6	1082.2
22.5°	1061.3	1059.0	1057.7	1058.3	1061.7
25°	1036.7	1034.4	1034.4	1034.1	1037.7
27.5°	1009.5	1006.5	1006.5	1009.2	1010.5
30°	979.0	976.3	977.6	979.6	981.0
32.5°	946.1	944.4	945.4	948.4	953.7
35°	909.2	907.9	909.6	914.5	916.5
37.5°	870.7	869.7	872.0	878.7	884.3
40°	826.9	826.9	833.2	839.2	844.5
42.5°	781.4	784.4	789.0	798.3	803.0
45°	739.5	738.5	742.9	752.8	757.5
47.5°	693.0	692.1	698.4	705.3	713.0
50°	642.2	641.9	649.5	655.5	665.2
52.5°	592.8	595.7	600.7	606.0	611.7
55°	538.0	539.3	547.9	552.9	556.2
57.5°	478.9	483.2	493.8	501.1	504.1
60°	421.1	423.7	431.4	444.3	447.3
62.5°	368.6	369.6	374.3	388.9	392.8
65°	318.5	317.8	319.1	329.1	336.4
67.5°	273.0	270.3	270.3	275.6	284.6
70°	229.8	225.8	223.5	225.1	231.5
72.5°	193.6	188.3	182.3	181.3	185.3
75°	157.1	152.8	147.8	143.1	145.1
77.5°	125.2	121.5	116.9	111.6	108.9
80°	93.6	92.3	87.3	82.4	77.0
82.5°	65.4	64.4	61.1	57.1	53.8
85°	38.5	38.5	36.5	33.5	30.2
87.5°	17.3	16.6	17.3	14.6	13.6
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)