

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: P738478

Luminaire Tested: **24PT-35-PL1-L950**

Issue Date: 2/8/2024



**Test Information**

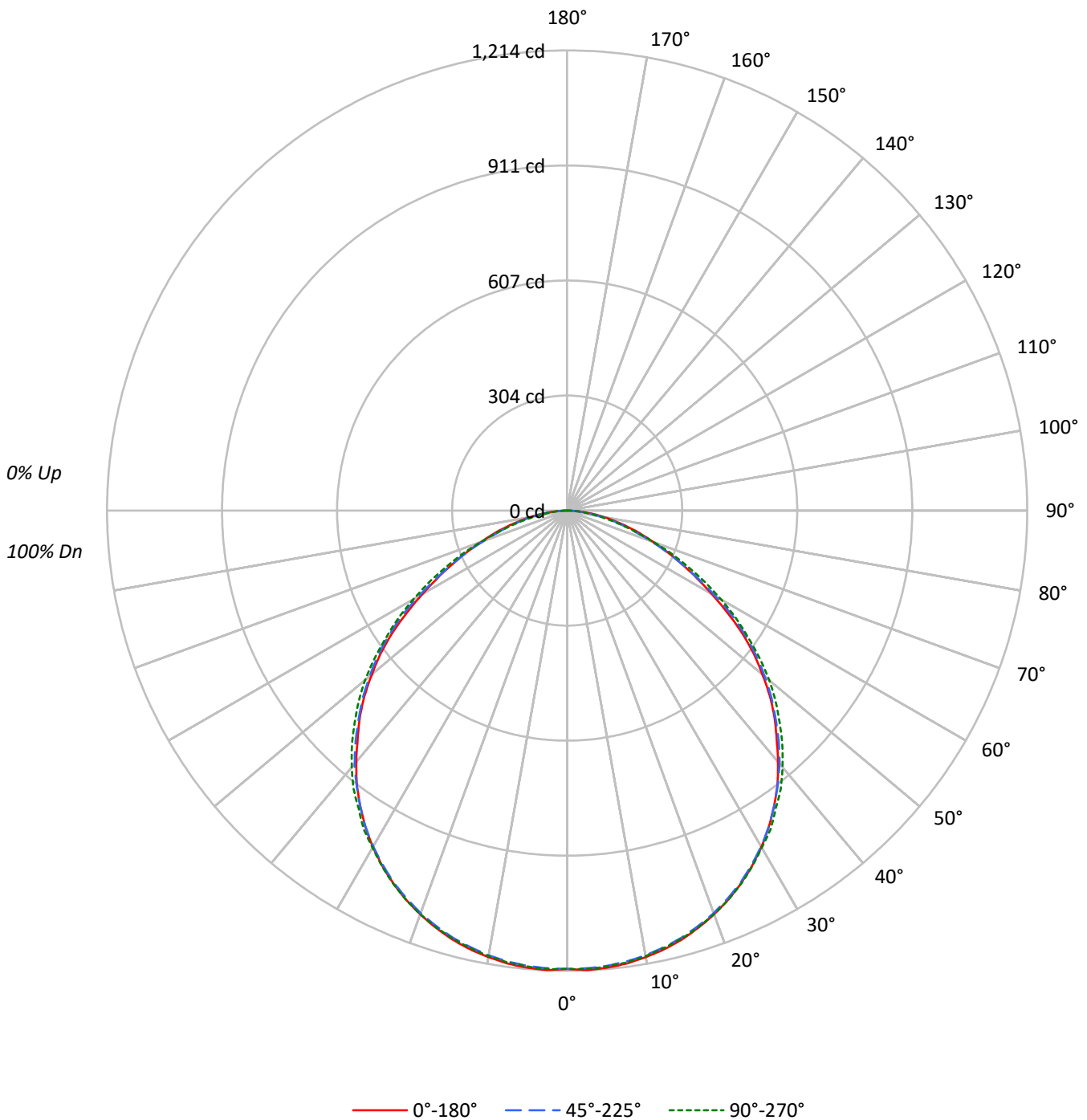
Test Method: LM-79-08  
Report Number: P738478  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2210-816-14)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 2/8/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: 24PT-35-PL1-L950  
Description: 3500 LUMEN 2X4 PERCEIVE PT TROFFER WITH 5000K, 90 CRI LEDS AND LEAVES LENS  
  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3201.0 lumens  
Efficiency: N/A  
Efficacy: 113.5 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°	1734	1734	1734
5°	1743	1735	1738
10°	1741	1734	1737
15°	1738	1731	1735
20°	1730	1724	1729
25°	1717	1713	1719
30°	1697	1694	1700
35°	1666	1667	1679
40°	1620	1632	1655
45°	1570	1577	1608
50°	1500	1517	1553
55°	1408	1434	1455
60°	1264	1295	1343
65°	1131	1134	1195
70°	1008	981	1016
75°	911	857	842
80°	809	755	666
85°	663	628	520



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	114.7	3.6
10°-20°	329.4	10.3
20°-30°	499.0	15.6
30°-40°	596.3	18.6
40°-50°	601.6	18.8
50°-60°	510.4	15.9
60°-70°	337.7	10.5
70°-80°	167.6	5.2
80°-90°	44.3	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°	943.1	29.5
0°-40°	1539.4	48.1
0°-60°	2651.4	82.8
0°-90°	3201.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3201.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1209	1209	1209	1209	1209	
5°	1211	1206	1206	1205	1207	115
15°	1171	1167	1166	1166	1169	330
25°	1085	1083	1083	1082	1086	500
35°	952	950	952	957	959	595
45°	774	773	778	788	793	596
55°	563	564	574	579	582	501
65°	333	333	334	344	352	333
75°	164	160	155	150	152	176
85°	40	40	38	35	32	48
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1209.3	1209.3	1209.3	1209.3	1209.3
2.5°	1213.5	1209.7	1208.6	1207.9	1210.7
5°	1210.7	1206.5	1205.5	1204.8	1207.2
7.5°	1205.2	1200.6	1199.9	1199.2	1202.4
10°	1196.1	1191.9	1191.2	1190.6	1193.3
12.5°	1185.3	1181.2	1179.8	1180.1	1181.9
15°	1171.1	1167.3	1166.2	1166.2	1168.7
17.5°	1153.4	1149.9	1149.2	1148.8	1152.0
20°	1133.5	1130.1	1130.1	1131.1	1132.9
22.5°	1111.0	1108.5	1107.1	1107.8	1111.3
25°	1085.2	1082.8	1082.8	1082.4	1086.3
27.5°	1056.7	1053.6	1053.6	1056.4	1057.8
30°	1024.7	1022.0	1023.4	1025.4	1026.8
32.5°	990.3	988.6	989.6	992.8	998.3
35°	951.7	950.4	952.1	957.3	959.4
37.5°	911.4	910.4	912.8	919.8	925.7
40°	865.5	865.5	872.1	878.4	884.0
42.5°	817.9	821.0	825.9	835.6	840.5
45°	774.1	773.1	777.6	788.0	792.9
47.5°	725.5	724.4	731.0	738.3	746.3
50°	672.3	671.9	679.9	686.2	696.3
52.5°	620.5	623.6	628.8	634.4	640.3
55°	563.1	564.5	573.6	578.8	582.2
57.5°	501.2	505.8	516.9	524.5	527.7
60°	440.8	443.5	451.5	465.1	468.2
62.5°	385.8	386.9	391.8	407.0	411.2
65°	333.4	332.7	334.1	344.5	352.1
67.5°	285.7	283.0	283.0	288.5	297.9
70°	240.5	236.4	233.9	235.7	242.3
72.5°	202.7	197.1	190.8	189.8	194.0
75°	164.4	159.9	154.7	149.8	151.9
77.5°	131.0	127.2	122.4	116.8	114.0
80°	98.0	96.6	91.4	86.2	80.6
82.5°	68.5	67.4	64.0	59.8	56.3
85°	40.3	40.3	38.2	35.1	31.6
87.5°	18.1	17.4	18.1	15.3	14.3
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)