

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: P738484

Luminaire Tested: **24PT-35-PR1-L935**

Issue Date: 2/8/2024



**Test Information**

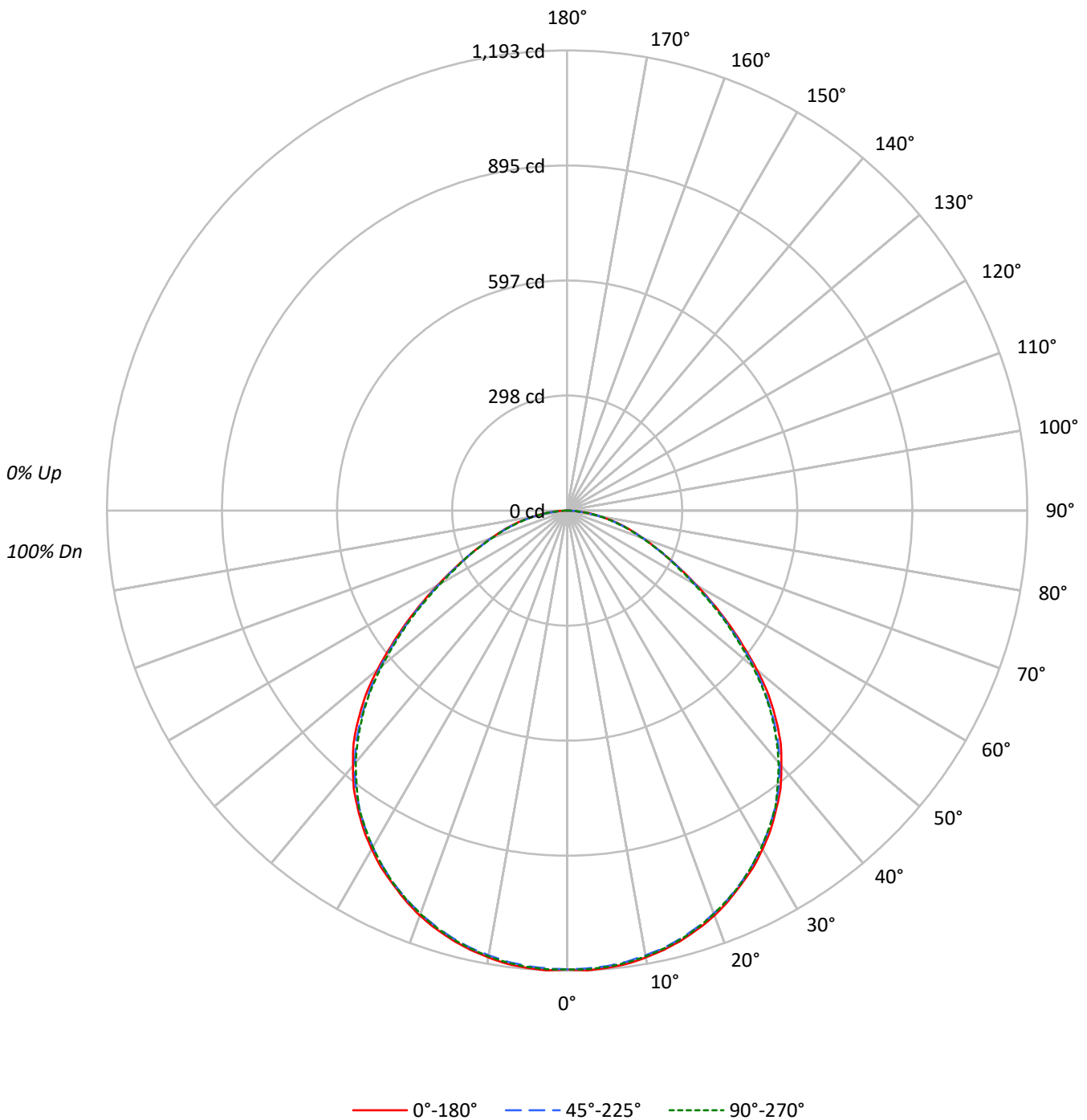
Test Method: LM-79-08  
Report Number: P738484  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2210-816-15)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 2/8/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: 24PT-35-PR1-L935  
Description: 3500 LUMEN 2X4 PERCEIVE PT TROFFER WITH 3500K, 90 CRI LEDS AND RIPLE LENS  
  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3029.0 lumens  
Efficiency: N/A  
Efficacy: 107.4 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 (Ain): 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: P738484  
CATALOG NUMBER: 24PT-35-PR1-L935

### Luminous Intensity Polar Plot





TEST NUMBER: P738484

CATALOG NUMBER: 24PT-35-PR1-L935

**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	110	105	101	98	107	103	99	96	99	96	93	95	92	90	91	89	87	85
2	100	93	86	81	98	91	85	80	87	82	78	84	80	76	81	78	75	72
3	92	82	74	68	89	80	73	67	77	71	66	75	70	65	72	68	64	62
4	84	73	65	58	82	72	64	58	69	62	57	67	61	56	65	60	56	53
5	78	66	57	51	76	64	56	50	62	55	50	60	54	49	59	53	49	47
6	72	59	51	44	70	58	50	44	57	49	44	55	48	43	53	48	43	41
7	67	54	45	39	65	53	45	39	52	44	39	50	44	39	49	43	38	36
8	62	49	41	35	61	49	41	35	47	40	35	46	40	35	45	39	35	33
9	58	45	37	32	57	45	37	32	44	37	32	42	36	31	41	36	31	29
10	55	42	34	29	53	41	34	29	40	33	29	39	33	29	38	33	28	27

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

	0°	45°	90°
0°	1705	1705	1705
5°	1713	1706	1709
10°	1713	1705	1708
15°	1710	1703	1706
20°	1705	1696	1698
25°	1691	1686	1687
30°	1678	1668	1668
35°	1655	1645	1647
40°	1617	1604	1597
45°	1553	1528	1520
50°	1433	1412	1399
55°	1276	1257	1249
60°	1112	1100	1088
65°	974	975	970
70°	877	874	862
75°	817	793	794
80°	729	716	716
85°	563	579	558



TEST NUMBER: P738484

CATALOG NUMBER: 24PT-35-PR1-L935

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	112.8	3.7
10°-20°	324.0	10.7
20°-30°	491.2	16.2
30°-40°	587.5	19.4
40°-50°	580.0	19.1
50°-60°	451.5	14.9
60°-70°	286.6	9.5
70°-80°	153.8	5.1
80°-90°	41.7	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°	927.9	30.6
0°-40°	1515.4	50.0
0°-60°	2546.9	84.1
0°-90°	3029.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3029.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1189	1189	1189	1189	1189	
5°	1190	1187	1185	1185	1187	113
15°	1152	1148	1147	1146	1149	325
25°	1069	1067	1066	1064	1066	493
35°	945	943	940	937	941	591
45°	766	760	753	750	749	588
55°	510	508	503	500	500	457
65°	287	288	288	284	286	288
75°	147	145	143	143	143	156
85°	34	35	35	35	34	42
90°	0	0	0	0	0	



TEST NUMBER: P738484

CATALOG NUMBER: 24PT-35-PR1-L935

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1189.4	1189.4	1189.4	1189.4	1189.4
2.5°	1193.3	1189.4	1188.0	1187.4	1190.4
5°	1190.4	1186.7	1185.4	1184.7	1187.4
7.5°	1185.4	1181.1	1179.7	1179.1	1182.1
10°	1176.4	1172.4	1170.8	1170.8	1173.4
12.5°	1165.8	1162.5	1160.8	1159.5	1162.5
15°	1152.2	1148.2	1147.2	1145.9	1149.2
17.5°	1135.9	1131.9	1130.6	1129.9	1132.3
20°	1117.3	1112.3	1111.7	1111.3	1112.7
22.5°	1094.4	1091.7	1090.4	1089.8	1090.7
25°	1068.8	1066.8	1065.5	1063.5	1066.2
27.5°	1043.9	1041.3	1038.0	1036.3	1038.0
30°	1013.4	1010.1	1007.7	1007.1	1007.7
32.5°	981.8	978.5	975.5	975.2	974.9
35°	945.3	943.3	939.7	936.7	940.7
37.5°	909.1	904.5	901.2	897.5	896.5
40°	864.0	862.3	856.7	853.3	853.0
42.5°	820.1	812.5	808.5	806.2	802.5
45°	765.7	760.4	753.4	749.7	749.4
47.5°	708.9	702.3	695.6	690.6	692.0
50°	642.5	639.5	633.2	628.9	627.2
52.5°	574.1	573.4	566.8	564.1	561.1
55°	510.3	507.7	503.0	499.7	499.7
57.5°	447.6	445.3	442.9	436.6	436.6
60°	387.8	387.5	383.5	379.9	379.5
62.5°	334.4	336.4	332.7	329.1	327.1
65°	287.2	288.2	287.5	283.9	285.9
67.5°	245.7	246.0	244.7	242.7	244.0
70°	209.2	210.8	208.5	207.2	205.5
72.5°	177.3	176.6	174.7	175.6	173.3
75°	147.4	145.1	143.1	142.8	143.4
77.5°	117.5	116.9	115.2	115.2	114.2
80°	88.3	87.7	86.7	87.0	86.7
82.5°	62.8	61.1	59.8	60.4	60.8
85°	34.2	34.9	35.2	35.2	33.9
87.5°	13.9	13.6	13.9	14.6	14.9
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)