

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: P738341

Luminaire Tested: **22PT-35-PW1-L940**

Issue Date: 2/8/2024



**Test Information**

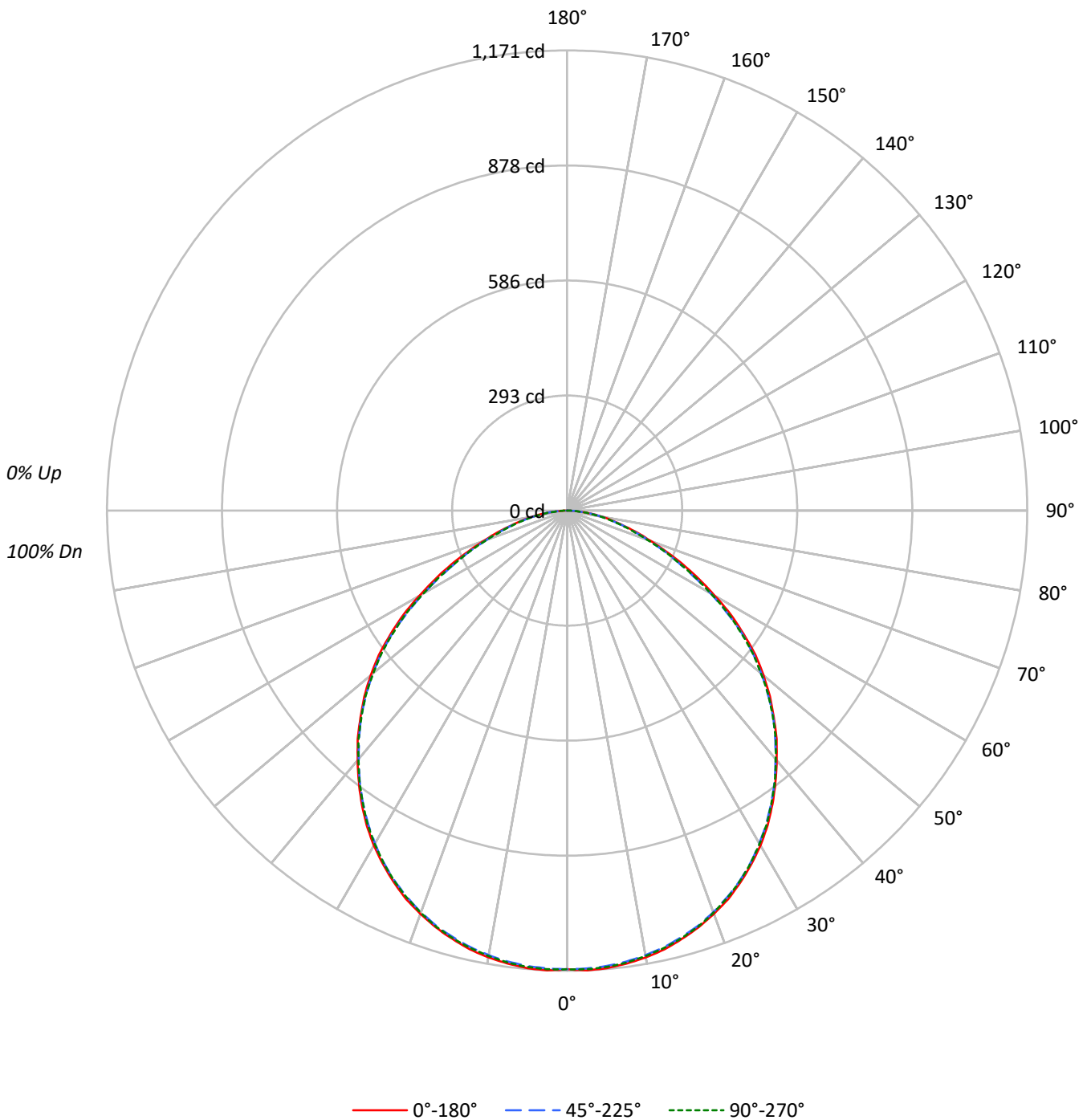
Test Method: LM-79-08  
Report Number: P738341  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2210-816-12)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 2/8/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: 22PT-35-PW1-L940  
Description: 3500 LUMEN 2X2 PERCEIVE PT TROFFER WITH 4000K, 90 CRI LEDS AND WAVES LENS  
  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3040.0 lumens  
Efficiency: N/A  
Efficacy: 115.6 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: P738341  
CATALOG NUMBER: 22PT-35-PW1-L940

### 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	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°	3420	3420	3420
5°	3437	3422	3429
10°	3435	3418	3425
15°	3424	3408	3417
20°	3406	3391	3396
25°	3375	3360	3364
30°	3330	3309	3314
35°	3259	3242	3244
40°	3173	3156	3159
45°	3081	3070	3066
50°	2974	2941	2933
55°	2802	2765	2750
60°	2544	2470	2476
65°	2262	2156	2156
70°	1939	1868	1854
75°	1682	1645	1606
80°	1514	1451	1424
85°	1200	1214	1146



TEST NUMBER: P738341

CATALOG NUMBER: 22PT-35-PW1-L940

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	110.7	3.6
10°-20°	317.4	10.4
20°-30°	478.9	15.8
30°-40°	567.2	18.7
40°-50°	570.9	18.8
50°-60°	482.8	15.9
60°-70°	313.9	10.3
70°-80°	156.2	5.1
80°-90°	42.1	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°	907.0	29.8
0°-40°	1474.1	48.5
0°-60°	2527.8	83.2
0°-90°	3040.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3040.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1167	1167	1167	1167	1167	
5°	1169	1164	1163	1163	1166	111
15°	1129	1125	1124	1123	1126	319
25°	1044	1040	1039	1038	1041	481
35°	911	907	906	906	907	569
45°	744	741	741	740	740	574
55°	549	544	541	539	538	490
65°	326	317	311	309	311	324
75°	149	149	145	141	142	161
85°	36	36	36	36	34	43
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1167.3	1167.3	1167.3	1167.3	1167.3
2.5°	1171.3	1167.3	1166.0	1165.3	1168.3
5°	1168.6	1164.3	1163.3	1162.7	1165.7
7.5°	1162.7	1158.7	1157.4	1157.1	1160.0
10°	1154.4	1150.4	1148.8	1148.1	1151.1
12.5°	1143.8	1139.5	1137.9	1137.2	1139.9
15°	1128.6	1125.0	1123.6	1123.3	1126.3
17.5°	1112.1	1108.4	1107.8	1106.8	1109.7
20°	1092.2	1088.6	1087.6	1086.2	1089.2
22.5°	1070.4	1066.1	1064.7	1063.8	1066.1
25°	1043.9	1040.3	1039.3	1038.3	1040.6
27.5°	1014.8	1012.1	1010.8	1009.8	1011.1
30°	984.3	979.7	978.1	977.4	979.4
32.5°	949.3	946.0	943.6	943.3	945.6
35°	911.2	907.2	906.3	906.3	906.9
37.5°	870.9	868.9	867.2	866.2	868.2
40°	829.5	828.8	825.2	824.9	825.9
42.5°	788.8	786.1	783.5	784.8	785.5
45°	743.5	740.8	740.8	739.8	739.8
47.5°	699.8	697.1	693.5	693.8	694.5
50°	652.5	649.2	645.2	647.5	643.5
52.5°	604.2	598.2	595.2	595.2	594.9
55°	548.6	544.0	541.3	539.0	538.3
57.5°	495.0	488.0	481.4	482.1	484.4
60°	434.1	430.8	421.5	422.2	422.5
62.5°	379.2	372.9	363.3	363.3	366.6
65°	326.2	317.3	311.0	308.7	311.0
67.5°	274.3	269.3	264.0	260.4	263.7
70°	226.3	223.7	218.0	214.4	216.4
72.5°	187.3	183.6	179.0	177.0	175.0
75°	148.6	148.6	145.3	141.3	141.9
77.5°	117.1	116.1	113.8	112.2	112.2
80°	89.7	88.7	86.0	85.4	84.4
82.5°	61.9	62.2	60.9	59.9	58.6
85°	35.7	36.4	36.1	36.1	34.1
87.5°	15.2	13.9	14.9	14.6	15.9
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)