

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: P738169

Luminaire Tested: **22PT-35-PW1-L840**

Issue Date: 2/8/2024



**Test Information**

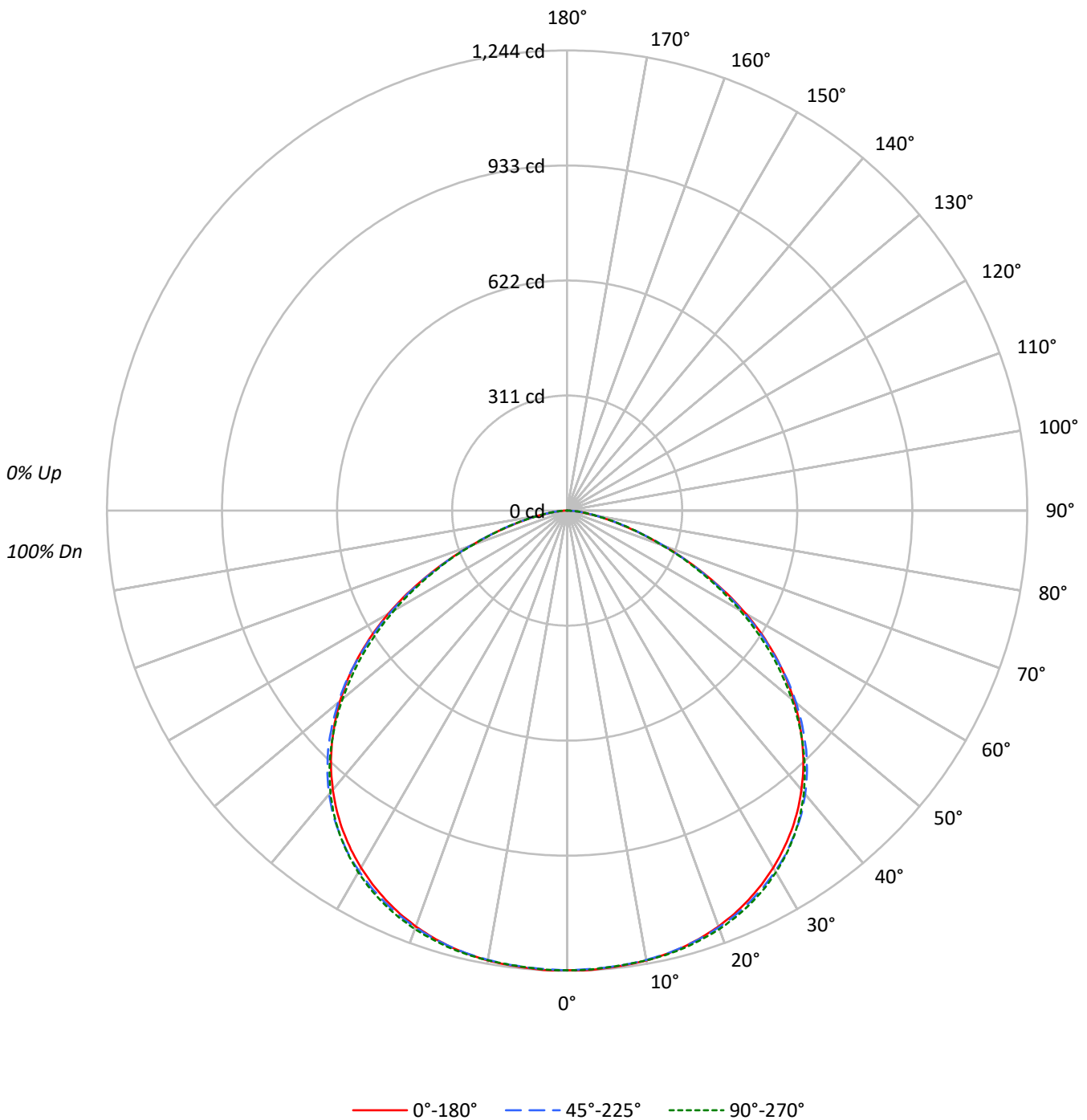
Test Method: LM-79-08  
Report Number: P738169  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P506233)  
Test Lab: INNOVATION CENTER  
Issue Date: 2/8/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: 22PT-35-PW1-L840  
Description: 3500 LUMEN 2X2 PERCEIVE PT TROFFER WITH 4000K, 80 CRI LEDS AND WAVES LENS  
  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3592.0 lumens  
Efficiency: N/A  
Efficacy: 136.6 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 (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

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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°	3641	3641	3641
5°	3651	3646	3647
10°	3675	3669	3673
15°	3703	3702	3713
20°	3731	3739	3754
25°	3753	3775	3792
30°	3772	3808	3821
35°	3781	3830	3832
40°	3769	3830	3809
45°	3732	3786	3740
50°	3656	3683	3615
55°	3514	3499	3433
60°	3272	3235	3167
65°	2885	2857	2802
70°	2363	2374	2324
75°	1790	1850	1835
80°	1298	1348	1326
85°	851	881	941



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	118.2	3.3
10°-20°	345.1	9.6
20°-30°	538.0	15.0
30°-40°	666.9	18.6
40°-50°	697.8	19.4
50°-60°	608.1	16.9
60°-70°	407.4	11.3
70°-80°	176.6	4.9
80°-90°	34.0	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°	1001.3	27.9
0°-40°	1668.2	46.4
0°-60°	2974.1	82.8
0°-90°	3592.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3592.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1243	1243	1243	1243	1243	
5°	1241	1240	1240	1239	1240	118
15°	1221	1219	1220	1222	1224	345
25°	1161	1161	1168	1171	1173	535
35°	1057	1061	1071	1072	1071	661
45°	901	906	914	906	902	694
55°	688	688	685	677	672	613
65°	416	414	412	408	404	412
75°	158	161	163	162	162	174
85°	25	27	26	27	28	33
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1242.7	1242.7	1242.7	1242.7	1242.7
2.5°	1244.0	1241.7	1241.2	1241.2	1242.7
5°	1241.2	1239.9	1239.5	1239.1	1239.9
7.5°	1238.6	1236.9	1237.3	1236.4	1237.3
10°	1235.1	1233.3	1233.3	1233.3	1234.6
12.5°	1228.8	1227.5	1228.0	1228.8	1230.6
15°	1220.8	1219.0	1220.5	1221.8	1224.0
17.5°	1209.7	1208.4	1210.7	1212.9	1214.7
20°	1196.5	1195.1	1199.1	1202.3	1204.0
22.5°	1180.0	1179.6	1184.9	1188.5	1189.8
25°	1160.9	1161.3	1167.6	1171.1	1172.9
27.5°	1139.1	1140.0	1148.1	1151.1	1152.9
30°	1114.8	1116.9	1125.4	1128.0	1129.4
32.5°	1087.2	1090.3	1100.5	1102.3	1102.3
35°	1057.0	1060.9	1070.7	1072.0	1071.2
37.5°	1023.3	1027.6	1038.7	1037.0	1035.7
40°	985.5	990.3	1001.4	997.9	995.8
42.5°	945.1	949.9	959.7	954.4	951.2
45°	900.7	905.5	913.6	906.0	902.5
47.5°	852.6	858.4	862.4	854.1	849.6
50°	802.1	803.9	807.9	798.1	793.1
52.5°	747.0	747.0	750.2	739.4	733.6
55°	687.9	687.5	684.9	677.3	672.0
57.5°	625.3	622.6	620.9	612.8	606.7
60°	558.3	554.3	552.0	545.4	540.4
62.5°	488.1	485.9	483.2	477.9	472.6
65°	416.1	413.9	412.1	408.2	404.2
67.5°	344.7	343.3	343.3	340.7	340.2
70°	275.8	276.7	277.1	277.1	271.3
72.5°	213.6	214.1	216.3	214.5	214.1
75°	158.1	160.8	163.4	162.1	162.1
77.5°	113.7	117.7	117.7	116.8	115.5
80°	76.9	78.6	79.9	79.5	78.6
82.5°	48.9	50.2	48.9	49.7	50.2
85°	25.3	27.0	26.2	26.7	28.0
87.5°	8.4	9.3	9.8	9.3	9.3
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)