

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: P738146

Luminaire Tested: **22PT-35-PL1-L850**

Issue Date: 2/8/2024



**Test Information**

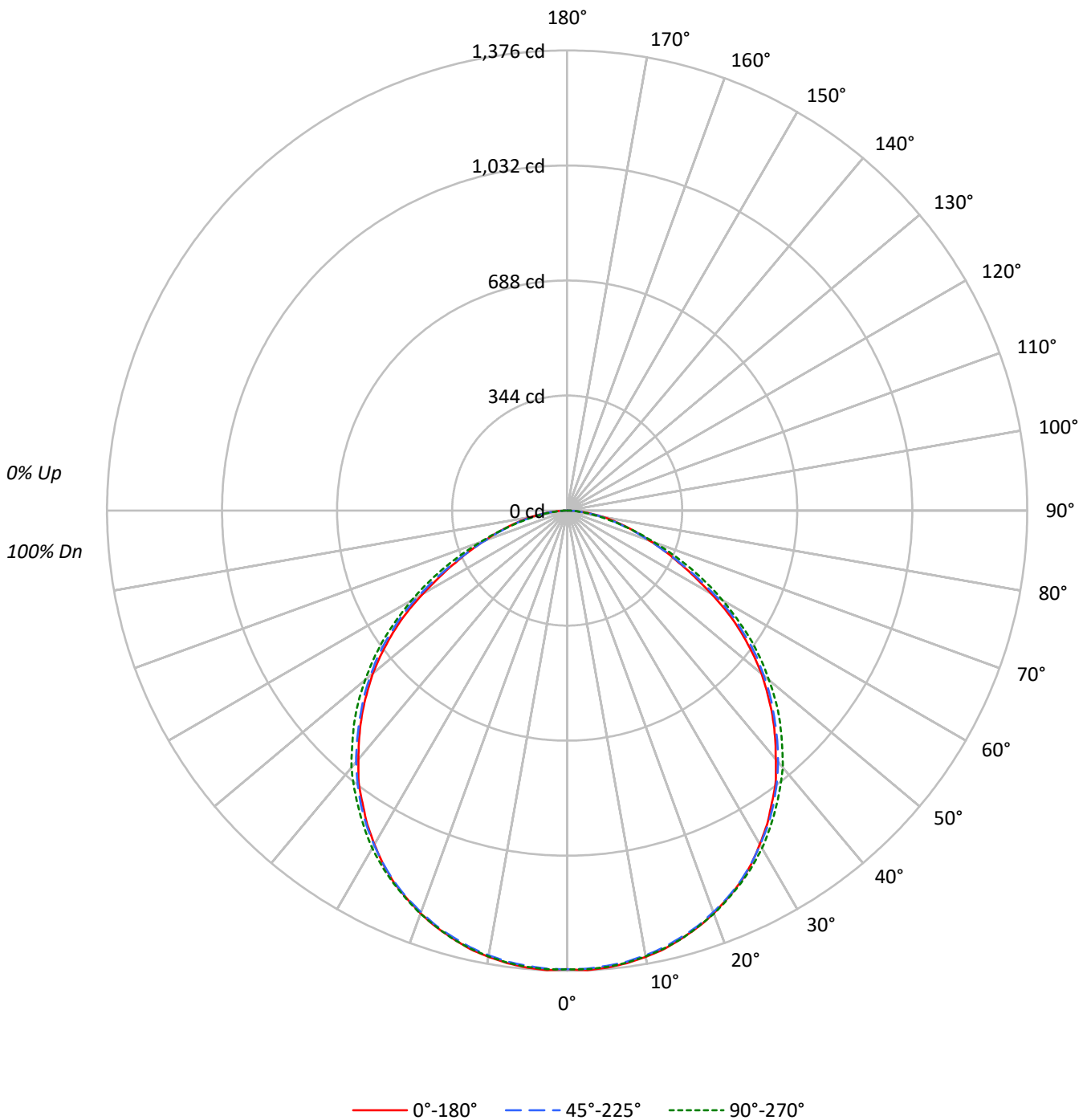
Test Method: LM-79-08  
Report Number: P738146  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2212-851-10)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 2/8/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: 22PT-35-PL1-L850  
Description: 3500 LUMEN 2X2 PERCEIVE PT TROFFER WITH 5000K, 80 CRI LEDS AND LEAVES LENS  
  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3614.0 lumens  
Efficiency: N/A  
Efficacy: 137.4 lumens/watt  
Spacing Criteria (0/90/45): 1.25 / 1.26 / 1.35  
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

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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	71	65		74	69	64		72	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	50	75	64	55	49	62	54	49		60	53	48		58	52	48	46
6	71	58	50	43	70	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	31		41	35	30	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°	4019	4019	4019
5°	4035	4019	4030
10°	4031	4018	4028
15°	4017	4005	4019
20°	3996	3984	4000
25°	3965	3957	3974
30°	3899	3907	3944
35°	3817	3843	3889
40°	3712	3755	3838
45°	3599	3630	3733
50°	3457	3499	3593
55°	3245	3310	3413
60°	2918	3016	3145
65°	2556	2608	2804
70°	2245	2225	2368
75°	2019	1934	1940
80°	1811	1714	1529
85°	1436	1415	1163



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	130.1	3.6
10°-20°	373.1	10.3
20°-30°	564.2	15.6
30°-40°	672.7	18.6
40°-50°	679.2	18.8
50°-60°	579.4	16.0
60°-70°	380.8	10.5
70°-80°	186.4	5.2
80°-90°	48.0	1.3
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°	1067.4	29.5
0°-40°	1740.1	48.1
0°-60°	2998.8	83.0
0°-90°	3614.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3614.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1372	1372	1372	1372	1372	
5°	1372	1369	1366	1366	1370	130
15°	1324	1322	1320	1321	1325	374
25°	1226	1223	1224	1226	1229	564
35°	1067	1070	1074	1082	1087	668
45°	868	871	876	893	901	669
55°	635	639	648	663	668	566
65°	369	369	376	394	404	369
75°	178	177	171	170	171	191
85°	43	43	42	39	35	51
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1371.7	1371.7	1371.7	1371.7	1371.7
2.5°	1375.7	1372.8	1371.1	1370.0	1372.8
5°	1371.7	1368.8	1366.5	1366.5	1370.0
7.5°	1365.3	1362.4	1360.7	1360.1	1363.6
10°	1354.9	1351.5	1350.3	1349.8	1353.8
12.5°	1342.8	1337.6	1337.6	1337.1	1341.1
15°	1324.4	1322.1	1320.3	1320.9	1324.9
17.5°	1305.3	1303.0	1301.9	1301.9	1304.2
20°	1281.7	1278.8	1277.6	1278.8	1282.8
22.5°	1254.5	1252.8	1252.8	1254.0	1256.8
25°	1226.3	1223.4	1224.0	1225.7	1229.1
27.5°	1191.6	1191.1	1191.1	1195.1	1199.1
30°	1152.4	1152.4	1154.7	1160.5	1165.7
32.5°	1112.6	1112.0	1116.6	1121.8	1127.6
35°	1067.0	1069.9	1074.5	1082.0	1087.2
37.5°	1024.3	1023.7	1029.5	1042.8	1046.2
40°	970.6	974.7	981.6	994.9	1003.5
42.5°	920.4	923.3	929.7	945.2	951.0
45°	868.5	870.8	876.0	893.3	900.8
47.5°	813.7	816.5	824.0	838.5	847.1
50°	758.3	762.3	767.5	781.3	788.3
52.5°	697.7	702.9	712.1	724.8	730.0
55°	635.3	638.8	648.0	663.0	668.2
57.5°	570.1	573.0	586.3	597.3	601.3
60°	498.0	501.5	514.7	532.1	536.7
62.5°	429.9	432.8	444.3	465.1	472.0
65°	368.7	368.7	376.2	393.6	404.5
67.5°	314.5	313.3	314.5	327.8	339.3
70°	262.0	262.6	259.7	267.8	276.4
72.5°	218.7	218.7	212.9	214.1	221.0
75°	178.3	176.6	170.8	169.7	171.4
77.5°	142.5	139.6	135.0	131.6	127.5
80°	107.3	105.0	101.6	96.4	90.6
82.5°	75.0	72.7	70.4	67.5	61.7
85°	42.7	42.7	42.1	38.7	34.6
87.5°	17.3	16.7	16.2	15.6	14.4
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)