

Scaled data based on original data using
LM-79-2019 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

Brand: CORELITE

Report Number: P1046925

Luminaire Tested: 22PTR-35-PP3-L850-UNV-STD-W

Issue Date: 7/10/2025

Test Information

Test Method: LM-79-2019
Report Number: P1046925
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P737727)
Test Lab: INNOVATION CENTER
Issue Date: 7/10/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: 22PTR-35-PP3-L850-UNV-STD-W
Description: 3500 LUMEN 2X2 PERCEIVE PT TROFFER WITH 5000K, 80 CRI LEDS AND PRISM LENS

Light Source:
Ballast/Driver: -

Summary

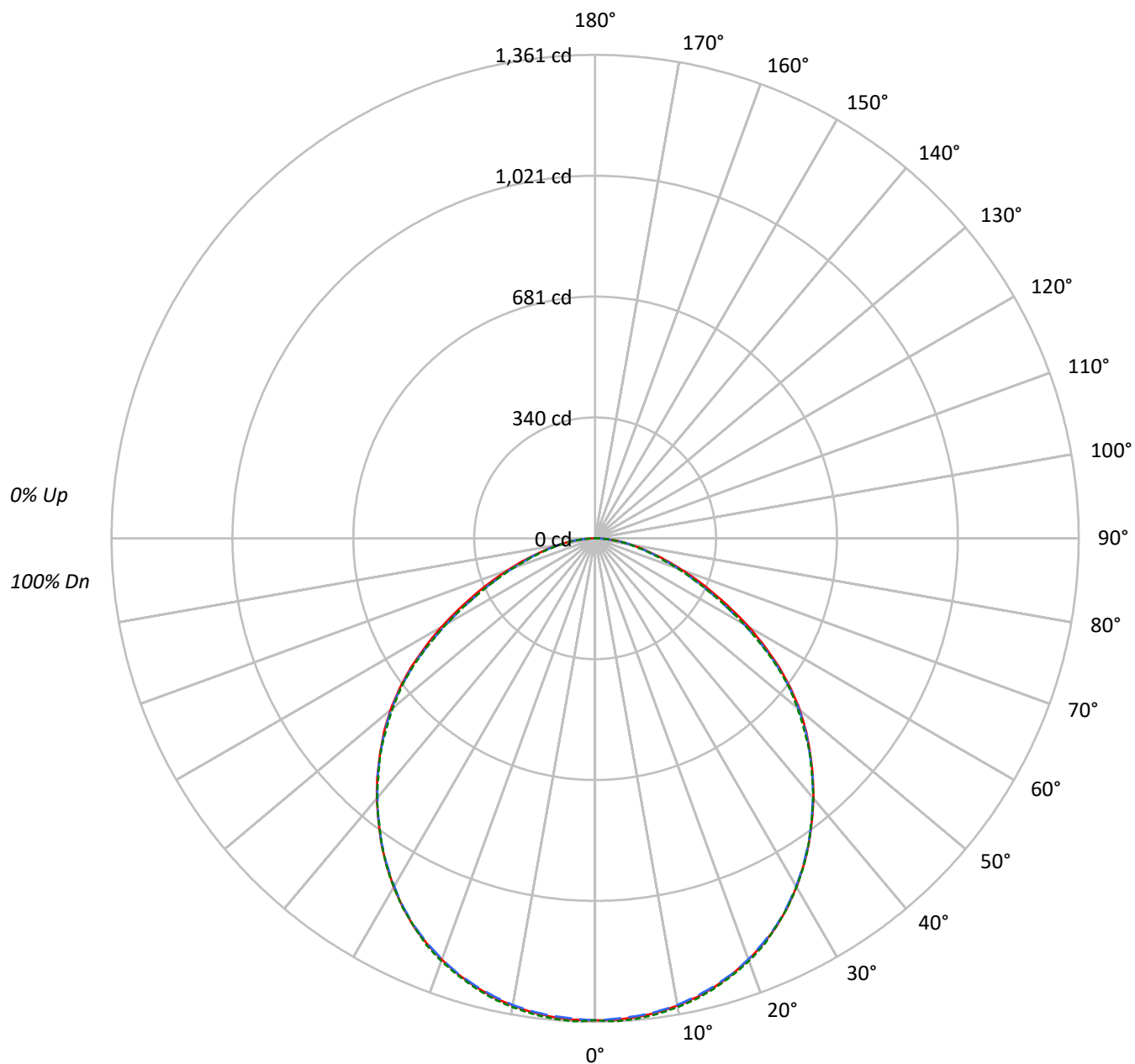
Lumens per Lamp: N/A
Luminaire Lumens: 3506.6 lumens
Efficiency: N/A
Efficacy: 134.9 lumens/watt
Spacing Criteria (0/90/45): 1.24 / 1.24 / 1.34
Luminous Opening: (L: 2 ' x W: 0 ' x H: 2 '
CIE Type: Direct

Input Watts (W): 26
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor:
Total Harmonic Distortion (THDi):
Frequency (hertz): 60
Stabilization Time: HR
Operation Time: HR
Ambient Temperature (°C): NR
Test Distance: 24 FT

TEST NUMBER: P1046925

CATALOG NUMBER: 22PTR-35-PP3-L850-UNV-STD-W

Luminous Intensity Polar Plot



TEST NUMBER: P1046925

CATALOG NUMBER: 22PTR-35-PP3-L850-UNV-STD-W

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20					20					20					20
RC	80				70					50					30					10
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10
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	86	80	97	90	84	79	87	82	78	84	79	76	81	77	74	72		
3	92	81	74	67	89	80	73	67	77	71	66	74	69	65	72	67	63	61		
4	84	73	64	58	82	71	63	57	69	62	56	66	60	56	64	59	55	53		
5	77	65	56	50	75	64	56	50	62	55	49	60	54	49	58	52	48	46		
6	72	59	50	44	70	58	50	44	56	49	43	54	48	43	53	47	42	40		
7	66	53	45	39	65	52	44	39	51	44	38	50	43	38	48	42	38	36		
8	62	49	40	35	60	48	40	35	47	39	34	45	39	34	44	38	34	32		
9	58	45	37	31	57	44	36	31	43	36	31	42	35	31	41	35	31	29		
10	54	41	34	28	53	41	33	28	40	33	28	39	33	28	38	32	28	26		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	Luminous shape not found, reference photometric report, or contact the photometric lab for calculations.		
5°			
10°			
15°			
20°			
25°			
30°			
35°			
40°			
45°			
50°			
55°			
60°			
65°			
70°			
75°			
80°			
85°			

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: -
Vertical Angle: -
Luminance: -

TEST NUMBER: P1046925

CATALOG NUMBER: 22PTR-35-PP3-L850-UNV-STD-W

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	128.7	3.7
10°-20°	368.7	10.5
20°-30°	555.1	15.8
30°-40°	655.2	18.7
40°-50°	658.9	18.8
50°-60°	556.3	15.9
60°-70°	357.3	10.2
70°-80°	177.7	5.1
80°-90°	48.7	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°	1052.5	30.0
0°-40°	1707.7	48.7
0°-60°	2922.9	83.4
0°-90°	3506.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3506.6	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1357	1357	1357	1357	1357	
5°	1353	1354	1350	1357	1358	129
15°	1306	1306	1304	1309	1309	368
25°	1206	1207	1204	1207	1206	555
35°	1049	1049	1047	1048	1048	655
45°	856	859	853	854	854	660
55°	632	631	624	622	622	562
65°	371	366	352	349	352	370
75°	170	169	164	162	160	184
85°	42	43	43	41	41	49
90°	0	0	0	0	0	

TEST NUMBER: P1046925

CATALOG NUMBER: 22PTR-35-PP3-L850-UNV-STD-W

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1357.2	1357.2	1357.2	1357.2	1357.2
2.5°	1356.6	1357.2	1353.6	1360.0	1361.1
5°	1353.2	1353.6	1350.2	1356.6	1357.5
7.5°	1346.2	1346.8	1343.7	1349.6	1350.7
10°	1335.9	1337.5	1333.9	1339.4	1340.3
12.5°	1323.1	1323.7	1320.1	1326.5	1327.6
15°	1306.0	1306.3	1303.5	1309.4	1309.4
17.5°	1286.1	1286.6	1284.7	1289.7	1289.1
20°	1262.1	1263.5	1261.0	1264.4	1266.4
22.5°	1236.0	1236.5	1233.5	1237.9	1239.9
25°	1206.4	1206.8	1204.5	1206.8	1205.9
27.5°	1171.9	1172.8	1169.4	1171.9	1172.4
30°	1133.4	1135.9	1131.1	1133.0	1133.4
32.5°	1092.1	1093.5	1090.1	1090.6	1093.1
35°	1048.7	1049.3	1047.3	1048.2	1048.2
37.5°	1002.0	1004.0	1000.9	1002.4	1000.4
40°	955.7	953.7	952.6	953.7	955.1
42.5°	906.8	907.3	905.9	904.8	902.5
45°	855.6	858.6	853.1	854.2	854.2
47.5°	805.5	805.8	803.0	799.9	798.0
50°	751.8	751.8	748.2	745.9	742.8
52.5°	693.1	692.2	688.2	685.7	687.2
55°	631.5	631.0	624.2	621.7	622.2
57.5°	564.0	565.1	554.7	552.2	552.2
60°	499.6	494.6	482.8	479.4	483.6
62.5°	431.9	426.0	413.3	413.3	416.7
65°	370.9	365.5	352.3	348.7	351.7
67.5°	313.8	308.8	296.6	294.6	295.5
70°	259.5	255.2	247.7	243.3	244.9
72.5°	212.8	208.9	203.9	200.5	198.5
75°	169.9	169.0	163.6	162.0	160.0
77.5°	134.4	134.1	129.6	127.6	125.7
80°	101.0	100.4	99.5	96.5	95.0
82.5°	72.0	72.0	71.4	68.9	67.5
85°	41.9	43.3	43.3	40.8	40.8
87.5°	16.8	17.7	16.8	16.8	16.3
90°	0.0	0.0	0.0	0.0	0.0

Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report





— 0°-180° - - 45°-225° - - - 90°-270°





(END OF REPORT)