

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: P1046883

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

Issue Date: 7/10/2025

Test Information

Test Method: LM-79-2019
Report Number: P1046883
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2409-224-3)
Test Lab: INNOVATION CENTER
Issue Date: 7/10/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: 22PTR-35-PLG-L850-UNV-STD-W
Description: 3500 LUMEN 2X2 PERCEIVE PT TROFFER WITH 5000K, 80 CRI LEDS AND LOW GLARE LENS

Light Source:
Ballast/Driver: -

Summary

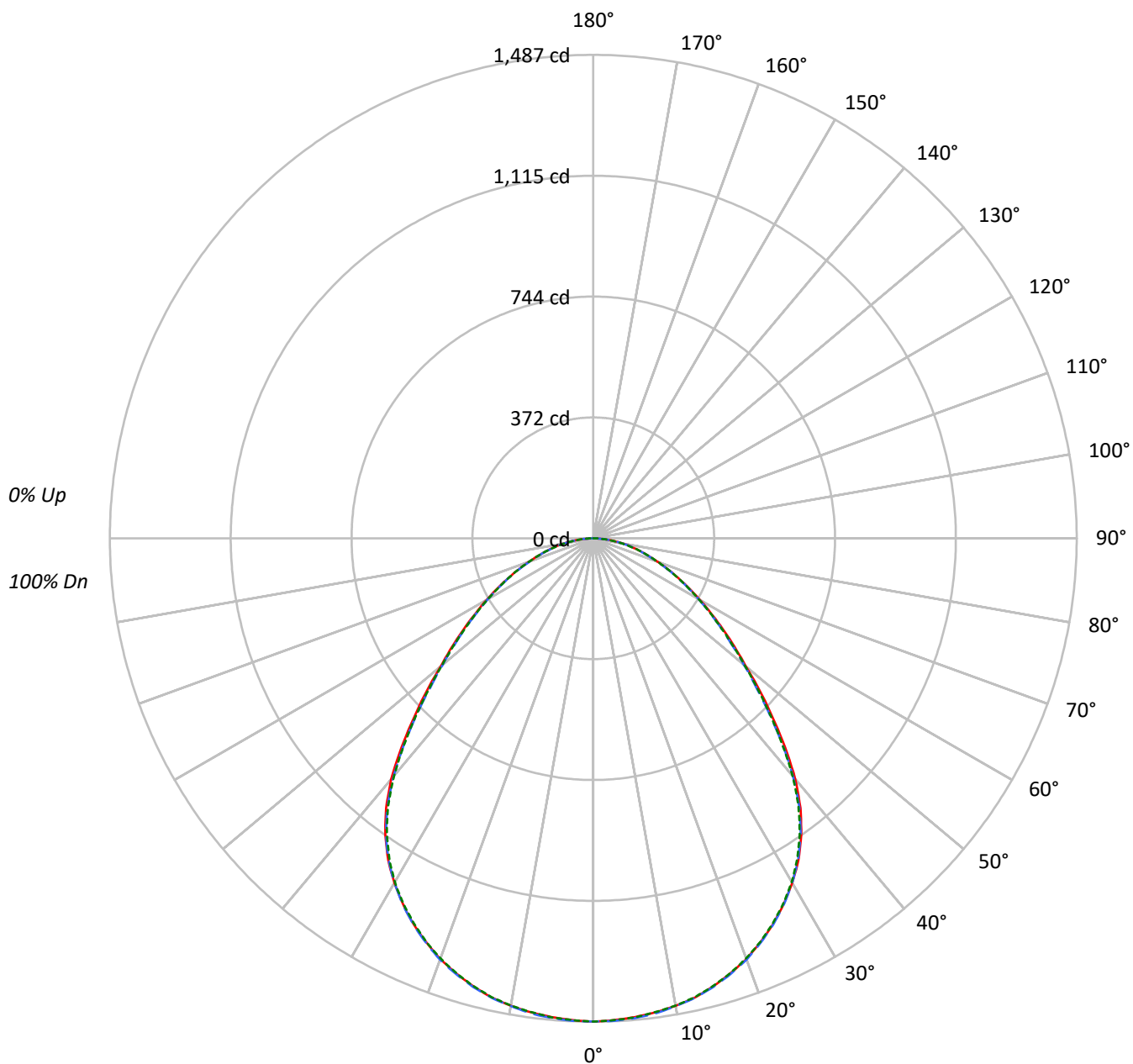
Lumens per Lamp: N/A
Luminaire Lumens: 3349.9 lumens
Efficiency: N/A
Efficacy: 128.8 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.22 / 1.26
Luminous Opening: (L: 2 ' x W: 0 ' x H: 2 '
CIE Type: Direct

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: P1046883

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

Luminous Intensity Polar Plot



TEST NUMBER: P1046883

CATALOG NUMBER: 22PTR-35-PLG-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	110	106	102	98	107	103	100	97	99	96	94	95	93	91	92	90	88	86		
2	101	94	87	82	99	92	86	81	88	84	79	85	81	78	82	79	76	74		
3	93	83	76	70	91	82	75	69	79	73	68	76	71	67	74	69	66	64		
4	86	75	67	60	84	73	66	60	71	64	59	69	63	58	67	62	58	56		
5	79	67	59	53	77	66	58	53	64	57	52	62	56	51	61	55	51	49		
6	74	61	53	47	72	60	52	47	58	51	46	57	51	46	55	50	45	43		
7	69	56	48	42	67	55	47	42	54	46	41	52	46	41	51	45	41	39		
8	64	51	43	38	62	51	43	38	49	42	37	48	42	37	47	41	37	35		
9	60	47	39	34	59	47	39	34	46	39	34	44	38	34	43	38	34	32		
10	56	44	36	31	55	43	36	31	42	36	31	41	35	31	40	35	31	29		

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: P1046883

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

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	140.8	4.2
10°-20°	402.7	12.0
20°-30°	602.6	18.0
30°-40°	690.4	20.6
40°-50°	597.1	17.8
50°-60°	432.2	12.9
60°-70°	284.7	8.5
70°-80°	155.0	4.6
80°-90°	44.4	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°	1146.1	34.2
0°-40°	1836.6	54.8
0°-60°	2865.9	85.6
0°-90°	3349.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3349.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1487	1487	1487	1487	1487	
5°	1478	1481	1481	1481	1479	141
15°	1426	1428	1429	1431	1426	402
25°	1309	1309	1310	1312	1306	602
35°	1115	1114	1112	1111	1107	693
45°	780	778	767	766	770	604
55°	485	483	478	475	479	437
65°	287	289	285	283	286	287
75°	147	147	145	145	147	156
85°	39	39	39	40	35	45
90°	0	0	0	0	0	

TEST NUMBER: P1046883

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

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1486.7	1486.7	1486.7	1486.7	1486.7
2.5°	1483.5	1486.7	1485.6	1486.7	1483.5
5°	1478.2	1481.4	1481.4	1481.4	1479.3
7.5°	1470.8	1473.0	1474.0	1475.1	1469.8
10°	1460.3	1462.4	1461.4	1463.5	1459.2
12.5°	1446.6	1446.6	1447.6	1449.7	1445.5
15°	1426.5	1427.6	1428.6	1430.8	1425.5
17.5°	1403.3	1404.4	1405.4	1406.5	1402.3
20°	1376.9	1376.9	1379.1	1380.1	1374.8
22.5°	1344.2	1344.2	1346.3	1349.5	1343.2
25°	1309.4	1309.4	1310.5	1311.5	1306.2
27.5°	1268.3	1268.3	1269.3	1272.5	1266.2
30°	1223.9	1222.9	1223.9	1225.0	1220.8
32.5°	1174.4	1173.3	1172.2	1173.3	1168.0
35°	1115.3	1114.2	1112.1	1111.0	1106.8
37.5°	1046.7	1044.6	1040.4	1040.4	1036.1
40°	966.5	961.2	955.9	953.8	952.8
42.5°	873.6	869.4	862.0	861.0	861.0
45°	779.7	777.6	767.1	766.0	770.2
47.5°	695.3	690.1	680.6	678.4	684.8
50°	612.0	613.0	604.6	601.4	607.8
52.5°	546.6	544.4	537.1	534.9	540.2
55°	485.4	483.2	478.0	474.8	479.0
57.5°	429.4	428.4	423.1	422.1	424.2
60°	378.8	377.7	373.5	372.5	373.5
62.5°	331.3	331.3	327.1	325.0	328.1
65°	287.0	289.1	284.9	282.8	285.9
67.5°	246.9	249.0	244.8	242.7	246.9
70°	208.9	211.0	206.8	204.7	208.9
72.5°	176.2	177.3	174.1	173.0	178.3
75°	146.7	146.7	144.6	144.6	146.7
77.5°	119.2	118.2	117.1	117.1	115.0
80°	91.8	90.7	90.7	90.7	87.6
82.5°	65.4	63.3	64.4	65.4	60.1
85°	39.0	39.0	39.0	40.1	34.8
87.5°	15.8	15.8	14.8	15.8	13.7
90°	0.0	0.0	0.0	0.0	0.0







— 0°-180° - - 45°-225° - - - 90°-270°







(END OF REPORT)