

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: P1050309

Luminaire Tested: PTR-14-50-PLG-L935-UNV-STD-W

Issue Date: 7/11/2025

Test Information

Test Method: LM-79-2019
Report Number: P1050309
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2409-224-3)
Test Lab: INNOVATION CENTER
Issue Date: 7/11/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: PTR-14-50-PLG-L935-UNV-STD-W
Description: 8000 LUMEN 1X4 PERCEIVE PT TROFFER WITH 3500K, 90 CRI LEDS AND LOW GLARE LENS

Light Source:
Ballast/Driver: -

Summary

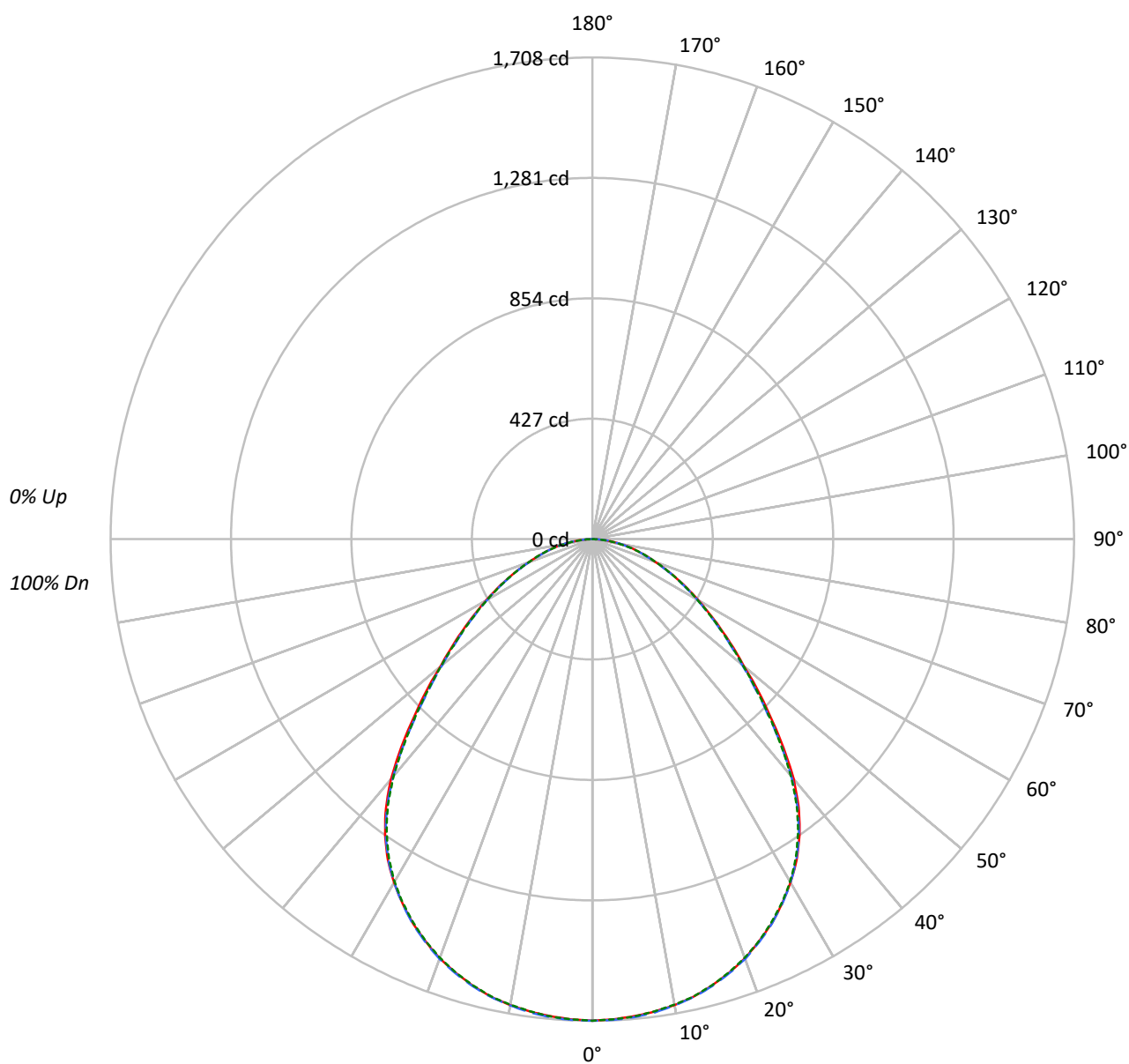
Lumens per Lamp: N/A
Luminaire Lumens: 3848.4 lumens
Efficiency: N/A
Efficacy: 94.1 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.22 / 1.26
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 40.9
Input Voltage (V): 120
Input Current (Ain): 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

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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
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	102	102	100
1	110	106	102	98	107	103	100	97	99	96	94	95	93	91	92	90	88	86	84	86
2	101	94	87	82	99	92	86	81	88	84	79	85	81	78	82	79	76	74	72	74
3	93	83	76	70	91	82	75	69	79	73	68	76	71	67	74	69	66	64	62	64
4	86	75	67	60	84	73	66	60	71	64	59	69	63	58	67	62	58	56	54	56
5	79	67	59	53	77	66	58	53	64	57	52	62	56	51	61	55	51	49	47	49
6	74	61	53	47	72	60	52	47	58	51	46	57	51	46	55	50	45	43	41	43
7	69	56	48	42	67	55	47	42	54	46	41	52	46	41	51	45	41	39	37	39
8	64	51	43	38	62	51	43	38	49	42	37	48	42	37	47	41	37	35	33	35
9	60	47	39	34	59	47	39	34	46	39	34	44	38	34	43	38	34	32	30	32
10	56	44	36	31	55	43	36	31	42	36	31	41	35	31	40	35	31	29	27	29

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	4596	4596	4596
5°	4587	4597	4591
10°	4584	4587	4581
15°	4566	4572	4562
20°	4530	4537	4523
25°	4466	4470	4456
30°	4369	4369	4358
35°	4209	4197	4177
40°	3900	3858	3845
45°	3409	3354	3367
50°	2943	2907	2923
55°	2616	2576	2582
60°	2342	2309	2309
65°	2099	2084	2092
70°	1888	1869	1888
75°	1752	1727	1752
80°	1635	1615	1559
85°	1383	1383	1235

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 3409 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	161.7	4.2
10°-20°	462.7	12.0
20°-30°	692.3	18.0
30°-40°	793.2	20.6
40°-50°	686.0	17.8
50°-60°	496.5	12.9
60°-70°	327.0	8.5
70°-80°	178.0	4.6
80°-90°	51.0	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°	1316.7	34.2
0°-40°	2109.8	54.8
0°-60°	3292.3	85.6
0°-90°	3848.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3848.4	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1708	1708	1708	1708	1708	
5°	1698	1702	1702	1702	1699	161
15°	1639	1640	1641	1644	1638	462
25°	1504	1504	1506	1507	1501	692
35°	1281	1280	1278	1276	1272	796
45°	896	893	881	880	885	694
55°	558	555	549	546	550	502
65°	330	332	327	325	328	329
75°	168	168	166	166	168	180
85°	45	45	45	46	40	52
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1707.9	1707.9	1707.9	1707.9	1707.9
2.5°	1704.2	1707.9	1706.7	1707.9	1704.2
5°	1698.2	1701.8	1701.8	1701.8	1699.4
7.5°	1689.7	1692.1	1693.3	1694.5	1688.5
10°	1677.6	1680.0	1678.8	1681.2	1676.4
12.5°	1661.8	1661.8	1663.0	1665.5	1660.6
15°	1638.8	1640.0	1641.2	1643.6	1637.6
17.5°	1612.1	1613.3	1614.5	1615.8	1610.9
20°	1581.8	1581.8	1584.2	1585.5	1579.4
22.5°	1544.2	1544.2	1546.7	1550.3	1543.0
25°	1504.2	1504.2	1505.5	1506.7	1500.6
27.5°	1457.0	1457.0	1458.2	1461.8	1454.5
30°	1406.1	1404.9	1406.1	1407.3	1402.4
32.5°	1349.1	1347.9	1346.7	1347.9	1341.8
35°	1281.2	1280.0	1277.6	1276.4	1271.5
37.5°	1202.4	1200.0	1195.2	1195.2	1190.3
40°	1110.3	1104.2	1098.2	1095.8	1094.5
42.5°	1003.6	998.8	990.3	989.1	989.1
45°	895.8	893.3	881.2	880.0	884.8
47.5°	798.8	792.7	781.8	779.4	786.7
50°	703.0	704.2	694.5	690.9	698.2
52.5°	627.9	625.5	617.0	614.5	620.6
55°	557.6	555.2	549.1	545.5	550.3
57.5°	493.3	492.1	486.1	484.8	487.3
60°	435.2	433.9	429.1	427.9	429.1
62.5°	380.6	380.6	375.8	373.3	377.0
65°	329.7	332.1	327.3	324.8	328.5
67.5°	283.6	286.1	281.2	278.8	283.6
70°	240.0	242.4	237.6	235.2	240.0
72.5°	202.4	203.6	200.0	198.8	204.8
75°	168.5	168.5	166.1	166.1	168.5
77.5°	137.0	135.8	134.5	134.5	132.1
80°	105.5	104.2	104.2	104.2	100.6
82.5°	75.2	72.7	73.9	75.2	69.1
85°	44.8	44.8	44.8	46.1	40.0
87.5°	18.2	18.2	17.0	18.2	15.8
90°	0.0	0.0	0.0	0.0	0.0



— 0°-180° - - 45°-225° 90°-270°

(END OF REPORT)