

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: P1050316

Luminaire Tested: PTR-14-60-PLG-L935-UNV-STD-W

Issue Date: 7/11/2025

Test Information

Test Method: LM-79-2019
Report Number: P1050316
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-14-60-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

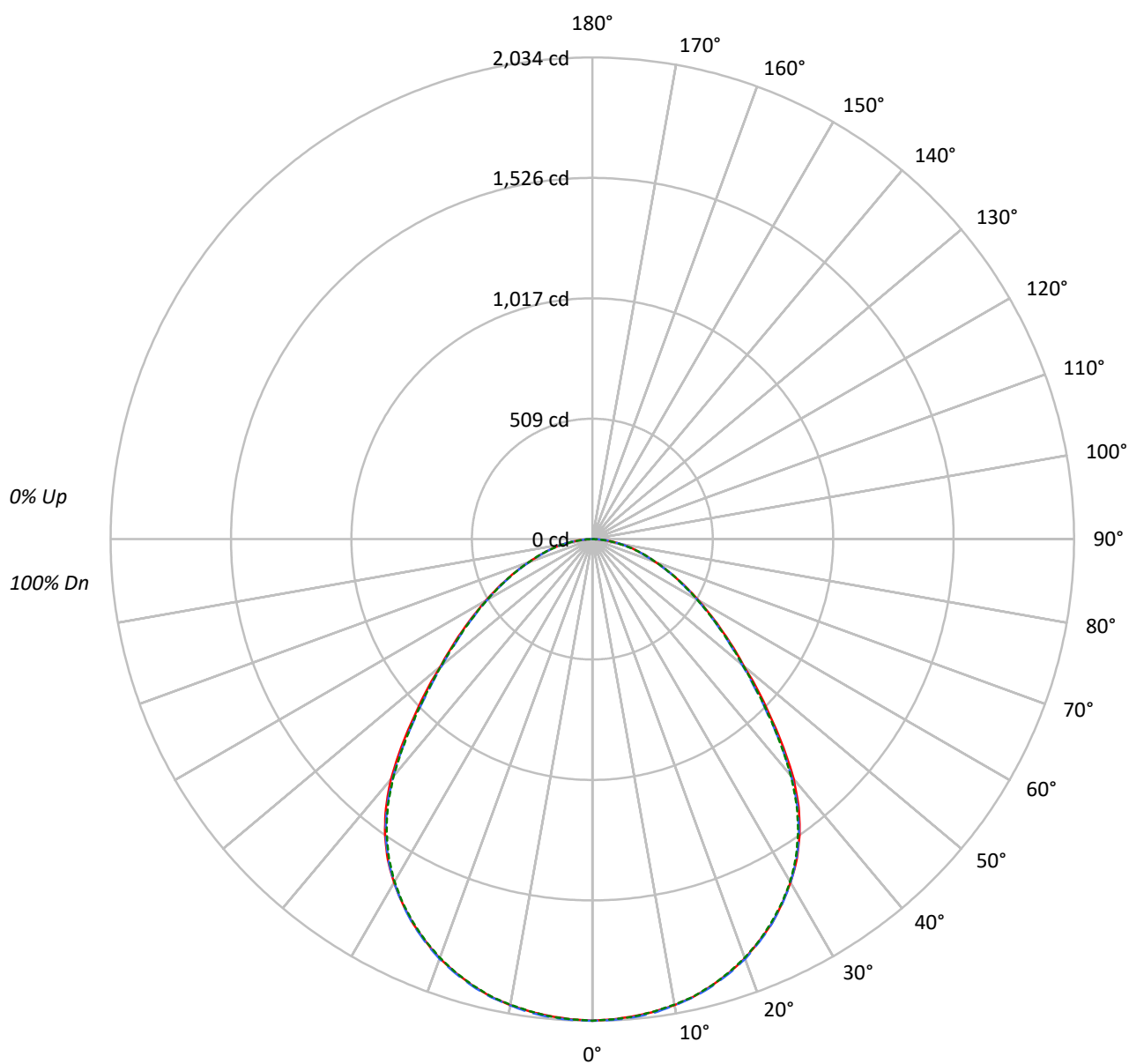
Lumens per Lamp: N/A
Luminaire Lumens: 4582.9 lumens
Efficiency: N/A
Efficacy: 92.0 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.22 / 1.26
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 49.8
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	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°	5473	5473	5473
5°	5463	5475	5467
10°	5459	5463	5455
15°	5437	5445	5433
20°	5395	5403	5386
25°	5319	5323	5306
30°	5203	5203	5189
35°	5012	4998	4974
40°	4645	4594	4579
45°	4059	3994	4010
50°	3505	3463	3481
55°	3115	3068	3074
60°	2789	2750	2750
65°	2500	2481	2491
70°	2249	2226	2249
75°	2086	2057	2086
80°	1946	1923	1857
85°	1649	1649	1470

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 4059 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	192.6	4.2
10°-20°	551.0	12.0
20°-30°	824.4	18.0
30°-40°	944.6	20.6
40°-50°	816.9	17.8
50°-60°	591.2	12.9
60°-70°	389.4	8.5
70°-80°	212.0	4.6
80°-90°	60.8	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°	1568.0	34.2
0°-40°	2512.6	54.8
0°-60°	3920.7	85.6
0°-90°	4582.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4582.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2034	2034	2034	2034	2034	
5°	2022	2027	2027	2027	2024	192
15°	1952	1953	1954	1957	1950	550
25°	1791	1791	1793	1794	1787	824
35°	1526	1524	1521	1520	1514	948
45°	1067	1064	1049	1048	1054	826
55°	664	661	654	650	655	598
65°	393	396	390	387	391	392
75°	201	201	198	198	201	214
85°	53	53	53	55	48	62
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2033.9	2033.9	2033.9	2033.9	2033.9
2.5°	2029.5	2033.9	2032.4	2033.9	2029.5
5°	2022.3	2026.7	2026.7	2026.7	2023.8
7.5°	2012.2	2015.1	2016.6	2018.0	2010.8
10°	1997.8	2000.7	1999.2	2002.1	1996.3
12.5°	1979.0	1979.0	1980.5	1983.4	1977.6
15°	1951.6	1953.0	1954.5	1957.4	1950.2
17.5°	1919.8	1921.3	1922.7	1924.2	1918.4
20°	1883.8	1883.8	1886.6	1888.1	1880.9
22.5°	1839.0	1839.0	1841.9	1846.2	1837.6
25°	1791.4	1791.4	1792.8	1794.3	1787.0
27.5°	1735.1	1735.1	1736.5	1740.8	1732.2
30°	1674.4	1673.0	1674.4	1675.9	1670.1
32.5°	1606.6	1605.2	1603.7	1605.2	1597.9
35°	1525.8	1524.3	1521.4	1520.0	1514.2
37.5°	1431.9	1429.1	1423.3	1423.3	1417.5
40°	1322.2	1315.0	1307.8	1304.9	1303.5
42.5°	1195.2	1189.4	1179.3	1177.9	1177.9
45°	1066.7	1063.9	1049.4	1048.0	1053.7
47.5°	951.3	944.0	931.1	928.2	936.8
50°	837.2	838.7	827.1	822.8	831.4
52.5°	747.7	744.8	734.7	731.8	739.1
55°	664.0	661.1	653.9	649.6	655.3
57.5°	587.5	586.1	578.8	577.4	580.3
60°	518.2	516.8	511.0	509.6	511.0
62.5°	453.3	453.3	447.5	444.6	448.9
65°	392.6	395.5	389.7	386.9	391.2
67.5°	337.8	340.7	334.9	332.0	337.8
70°	285.8	288.7	282.9	280.0	285.8
72.5°	241.1	242.5	238.2	236.7	243.9
75°	200.6	200.6	197.8	197.8	200.6
77.5°	163.1	161.7	160.2	160.2	157.3
80°	125.6	124.1	124.1	124.1	119.8
82.5°	89.5	86.6	88.1	89.5	82.3
85°	53.4	53.4	53.4	54.9	47.6
87.5°	21.7	21.7	20.2	21.7	18.8
90°	0.0	0.0	0.0	0.0	0.0



— 0°-180° - - 45°-225° 90°-270°

(END OF REPORT)