

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: P1046837

Luminaire Tested: 22PTR-60-PL1-L940-UNV-STD-W

Issue Date: 7/10/2025

Test Information

Test Method: LM-79-2019
Report Number: P1046837
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P737719)
Test Lab: INNOVATION CENTER
Issue Date: 7/10/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: 22PTR-60-PL1-L940-UNV-STD-W
Description: 6000 LUMEN 2X2 PERCEIVE PT TROFFER WITH 4000K, 90 CRI LEDS AND LEAVES LENS

Light Source:
Ballast/Driver: -

Summary

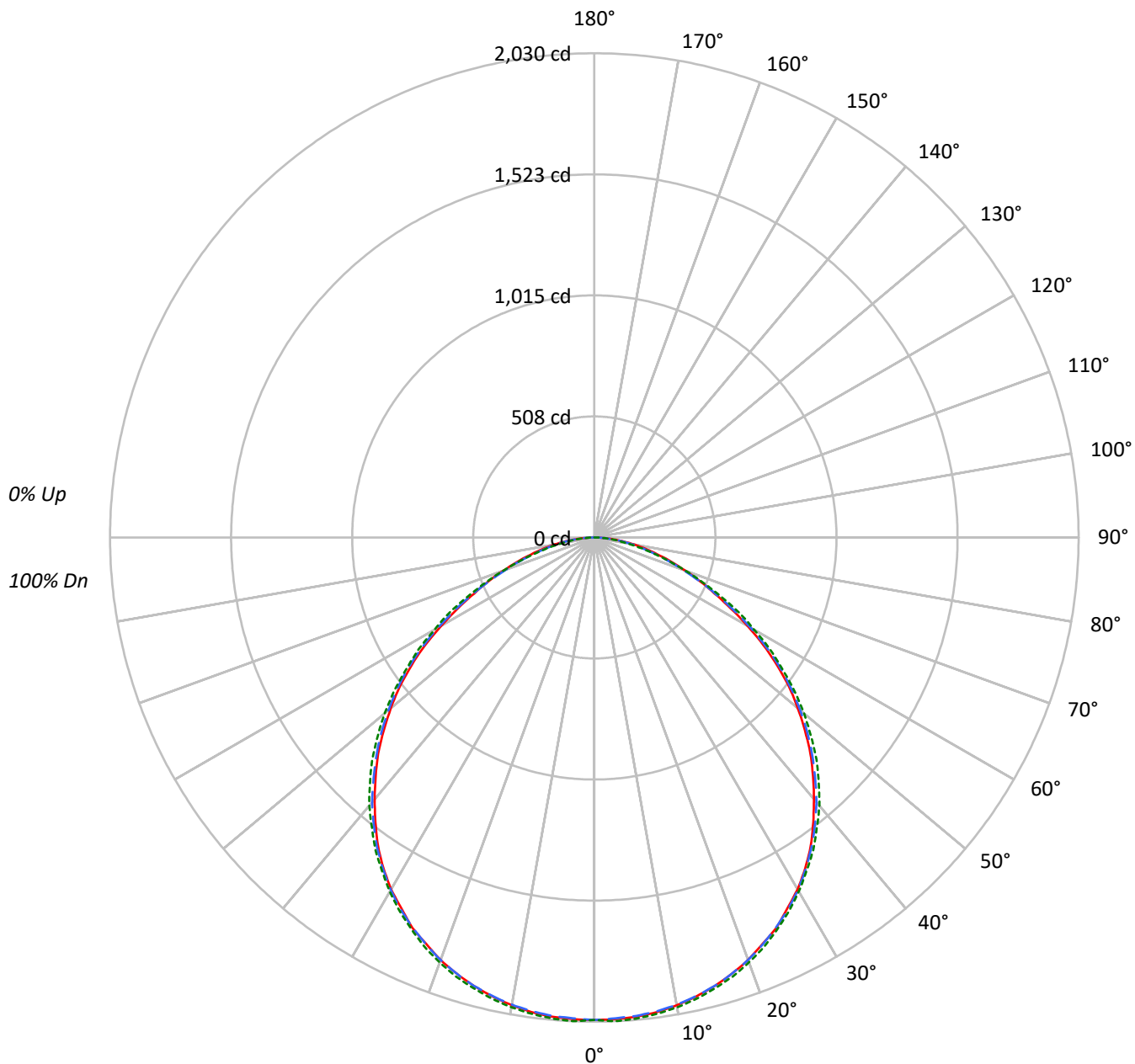
Lumens per Lamp: N/A
Luminaire Lumens: 5333.1 lumens
Efficiency: N/A
Efficacy: 102.6 lumens/watt
Spacing Criteria (0/90/45): 1.25 / 1.26 / 1.35
Luminous Opening: (L: 2 ' x W: 0 ' x H: 2 '
CIE Type: Direct

Input Watts (W): 52
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: P1046837

CATALOG NUMBER: 22PTR-60-PL1-L940-UNV-STD-W

Luminous Intensity Polar Plot



TEST NUMBER: P1046837

CATALOG NUMBER: 22PTR-60-PL1-L940-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
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102
1	109	105	101	97	107	103	99	96	98	95	93		94	92	90		91
2	100	92	86	80	97	90	84	79	87	82	77		83	79	75		80
3	91	81	73	67	89	80	72	66	77	70	65		74	69	64		71
4	84	72	64	57	82	71	63	57	68	61	56		66	60	55		64
5	77	65	56	49	75	64	55	49	61	54	49		60	53	48		58
6	71	58	50	43	69	57	49	43	56	48	43		54	47	42		52
7	66	53	44	38	65	52	44	38	51	43	38		49	43	38		48
8	62	48	40	34	60	48	40	34	46	39	34		45	39	34		44
9	58	44	36	31	56	44	36	31	43	36	31		42	35	30		41
10	54	41	33	28	53	41	33	28	40	33	28		39	32	28		38

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: P1046837

CATALOG NUMBER: 22PTR-60-PL1-L940-UNV-STD-W

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	191.9	3.6
10°-20°	550.4	10.3
20°-30°	832.6	15.6
30°-40°	992.4	18.6
40°-50°	997.9	18.7
50°-60°	846.9	15.9
60°-70°	563.9	10.6
70°-80°	281.6	5.3
80°-90°	75.3	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°	1574.9	29.5
0°-40°	2567.4	48.1
0°-60°	4412.3	82.7
0°-90°	5333.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5333.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2023	2023	2023	2023	2023	
5°	2017	2018	2013	2022	2025	192
15°	1948	1950	1947	1955	1956	549
25°	1806	1806	1803	1812	1813	830
35°	1581	1582	1587	1598	1600	986
45°	1281	1283	1292	1309	1316	986
55°	936	942	951	960	962	834
65°	555	560	561	570	584	557
75°	274	270	258	252	253	295
85°	71	70	65	61	56	82
90°	0	0	0	0	0	

TEST NUMBER: P1046837

CATALOG NUMBER: 22PTR-60-PL1-L940-UNV-STD-W

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2023.2	2023.2	2023.2	2023.2	2023.2
2.5°	2021.6	2023.2	2017.8	2027.6	2030.0
5°	2017.2	2017.8	2013.4	2022.4	2024.6
7.5°	2007.4	2008.2	2003.6	2013.4	2014.8
10°	1991.6	1993.2	1989.4	1998.4	2000.6
12.5°	1971.4	1973.6	1969.8	1979.6	1981.3
15°	1947.5	1949.7	1946.7	1954.8	1956.5
17.5°	1918.1	1919.7	1918.1	1925.7	1930.0
20°	1885.1	1885.1	1885.1	1891.9	1895.7
22.5°	1844.0	1847.8	1846.2	1855.1	1859.0
25°	1805.8	1805.8	1803.4	1811.8	1813.2
27.5°	1752.5	1758.5	1757.9	1765.3	1766.9
30°	1703.7	1705.3	1706.2	1711.3	1714.3
32.5°	1644.6	1646.0	1648.4	1655.8	1656.6
35°	1580.9	1582.5	1586.9	1598.0	1599.7
37.5°	1506.8	1514.9	1518.8	1530.7	1532.1
40°	1432.4	1437.6	1449.0	1461.6	1467.6
42.5°	1356.7	1362.7	1369.5	1386.7	1392.1
45°	1281.0	1283.2	1291.6	1308.8	1316.4
47.5°	1197.1	1203.9	1211.2	1226.2	1230.9
50°	1113.2	1120.5	1125.2	1138.5	1147.5
52.5°	1028.5	1035.3	1040.5	1048.6	1057.6
55°	935.6	942.1	950.6	959.6	961.8
57.5°	841.1	848.4	853.9	863.4	873.2
60°	739.8	748.2	755.6	764.6	774.4
62.5°	645.5	649.1	656.7	671.7	685.8
65°	555.4	560.0	561.4	569.8	584.0
67.5°	480.5	480.5	473.7	476.7	492.5
70°	401.8	398.8	393.6	390.6	403.4
72.5°	338.0	334.2	323.0	317.9	324.7
75°	274.3	270.5	258.5	252.5	253.3
77.5°	220.4	214.4	204.6	194.2	192.0
80°	167.2	164.8	155.3	145.4	137.8
82.5°	118.5	113.3	107.9	101.9	95.9
85°	71.1	69.7	64.6	60.7	55.6
87.5°	29.1	29.1	27.8	26.1	24.8
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)