

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: P1046718

Luminaire Tested: 22PTR-35-L940-UNV-STD-W

Issue Date: 7/10/2025

Test Information

Test Method: LM-79-2019
Report Number: P1046718
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2310-200-1)
Test Lab: INNOVATION CENTER
Issue Date: 7/10/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: 22PTR-35-L940-UNV-STD-W
Description: 3500 LUMEN 2X2 PERCEIVE PT TROFFER WITH 4000K, 90 CRI LEDS AND FROSTED LENS

Light Source:
Ballast/Driver: -

Summary

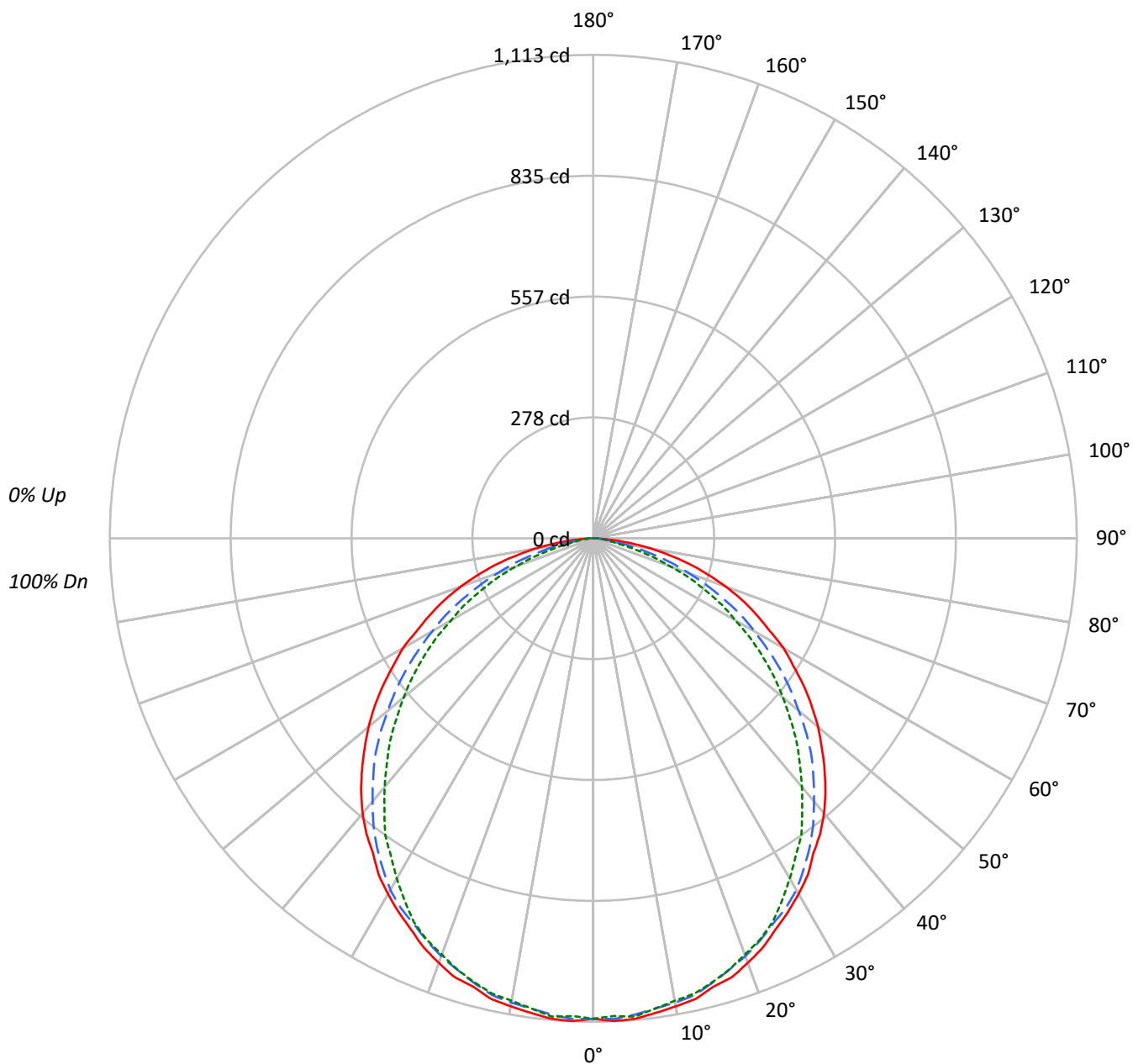
Lumens per Lamp: N/A
Luminaire Lumens: 2946.5 lumens
Efficiency: N/A
Efficacy: 113.3 lumens/watt
Spacing Criteria (0/90/45): 1.27 / 1.21 / 1.35
Luminous Opening: (L: 2 ' x W: 0 ' x H: 2 '
CIE Type: Direct

Input Watts (W): 26
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

TEST NUMBER: P1046718

CATALOG NUMBER: 22PTR-35-L940-UNV-STD-W

Luminous Intensity Polar Plot



TEST NUMBER: P1046718

CATALOG NUMBER: 22PTR-35-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	30	10
RCR																					
0	119	119	119	119		116	116	116	116		111	111	111		106	106	106		102	102	102
1	109	105	101	97		107	103	99	96		98	95	93		95	92	90		91	89	87
2	100	92	85	80		97	90	84	79		87	81	77		83	79	75		80	77	74
3	91	81	73	67		89	79	72	66		76	70	65		74	68	64		71	67	63
4	84	72	63	57		81	71	63	56		68	61	56		66	60	55		64	58	54
5	77	64	56	49		75	63	55	49		61	54	48		59	53	48		57	52	47
6	71	58	49	43		69	57	49	43		55	48	42		54	47	42		52	46	42
7	66	53	44	38		64	52	44	38		50	43	38		49	42	37		48	42	37
8	61	48	40	34		60	47	39	34		46	39	34		45	38	33		44	38	33
9	57	44	36	31		56	44	36	30		42	35	30		41	35	30		40	34	30
10	54	41	33	28		53	40	33	28		39	32	28		38	32	27		37	32	27

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: P1046718

CATALOG NUMBER: 22PTR-35-L940-UNV-STD-W

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	104.9	3.6
10°-20°	300.0	10.2
20°-30°	453.2	15.4
30°-40°	538.9	18.3
40°-50°	546.5	18.5
50°-60°	474.6	16.1
60°-70°	336.9	11.4
70°-80°	161.0	5.5
80°-90°	30.5	1.0
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°	858.1	29.1
0°-40°	1397.0	47.4
0°-60°	2418.0	82.1
0°-90°	2946.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2946.5	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1106	1106	1106	1106	1106	
5°	1110	1106	1101	1104	1106	105
15°	1069	1071	1060	1059	1058	303
25°	994	992	979	983	976	459
35°	884	883	868	839	835	556
45°	753	746	711	673	662	581
55°	591	573	525	494	477	528
65°	413	382	332	296	285	409
75°	230	188	140	111	98	241
85°	45	24	20	20	19	57
90°	0	0	0	0	0	

TEST NUMBER: P1046718

CATALOG NUMBER: 22PTR-35-L940-UNV-STD-W

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1106.2	1106.2	1106.2	1106.2	1106.2
2.5°	1112.7	1108.8	1107.5	1112.1	1100.9
5°	1110.1	1106.2	1100.9	1103.5	1105.5
7.5°	1102.2	1098.9	1091.7	1097.6	1091.7
10°	1094.3	1091.0	1085.7	1087.7	1081.1
12.5°	1086.4	1078.5	1077.2	1078.5	1073.9
15°	1068.6	1071.2	1060.0	1058.7	1058.1
17.5°	1060.0	1053.5	1041.6	1042.3	1040.9
20°	1040.3	1032.4	1023.8	1022.5	1019.9
22.5°	1019.9	1010.6	1002.7	1006.7	1000.7
25°	993.5	992.2	979.0	983.0	975.7
27.5°	970.4	965.8	959.9	951.3	940.8
30°	945.4	940.8	934.9	912.5	904.6
32.5°	919.1	913.8	901.9	875.6	867.0
35°	884.1	882.8	868.3	838.7	834.7
37.5°	857.8	843.3	831.4	801.1	789.9
40°	826.2	818.3	790.6	761.6	747.1
42.5°	791.2	782.0	750.4	719.4	703.6
45°	753.0	746.4	710.9	673.3	662.1
47.5°	713.5	707.6	665.4	629.2	614.7
50°	675.3	668.0	617.3	582.4	569.2
52.5°	633.8	621.9	571.9	537.6	525.1
55°	591.0	573.2	525.1	494.1	477.0
57.5°	545.5	529.0	475.7	443.4	429.5
60°	506.0	482.9	428.2	395.3	377.5
62.5°	455.2	435.5	383.4	344.6	336.0
65°	413.1	382.1	332.0	296.5	285.3
67.5°	370.3	334.0	283.3	247.1	241.1
70°	323.5	285.9	233.9	198.3	188.4
72.5°	276.0	239.2	188.4	150.9	144.9
75°	229.9	187.8	139.7	110.7	98.2
77.5°	179.9	141.6	98.2	67.9	60.0
80°	133.7	95.5	56.7	40.2	39.5
82.5°	87.6	55.3	30.3	31.0	29.6
85°	44.8	23.7	20.4	19.8	19.1
87.5°	8.6	9.2	9.9	9.9	9.9
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)