

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: P1046709

Luminaire Tested: 22PTR-45-L940-UNV-STD-W

Issue Date: 7/10/2025

Test Information

Test Method: LM-79-2019
Report Number: P1046709
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-45-L940-UNV-STD-W
Description: 4500 LUMEN 2X2 PERCEIVE PT TROFFER WITH 4000K, 90 CRI LEDS AND FROSTED LENS

Light Source:
Ballast/Driver: -

Summary

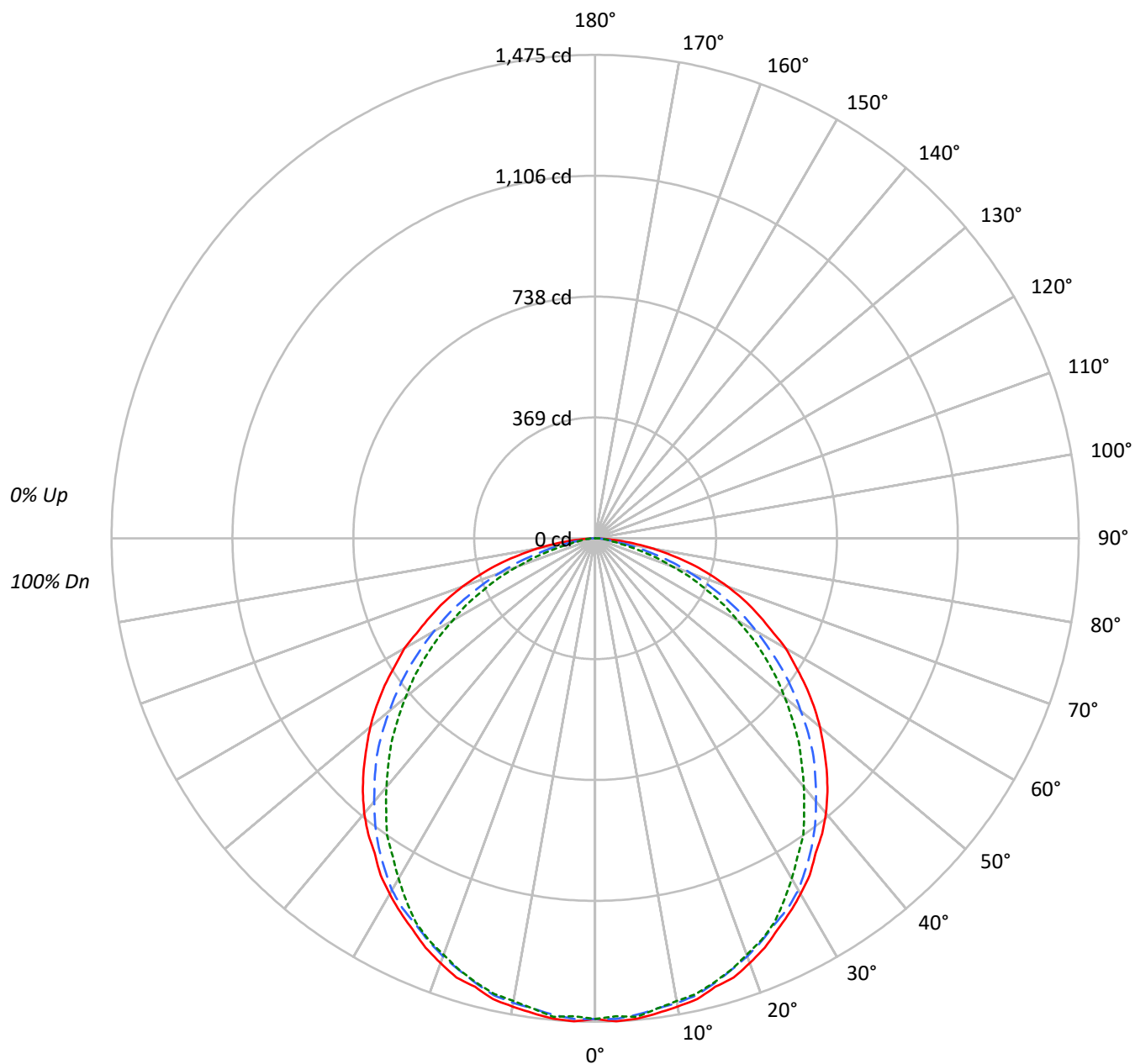
Lumens per Lamp: N/A
Luminaire Lumens: 3906.1 lumens
Efficiency: N/A
Efficacy: 111.6 lumens/watt
Spacing Criteria (0/90/45): 1.27 / 1.21 / 1.35
Luminous Opening: (L: 2 ' x W: 0 ' x H: 2 '
CIE Type: Direct

Input Watts (W): 35
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: P1046709

CATALOG NUMBER: 22PTR-45-L940-UNV-STD-W

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	109	105	101	97	107	103	99	96	98	95	93	95	92	90	91	89	87	85		
2	100	92	85	80	97	90	84	79	87	81	77	83	79	75	80	77	74	72		
3	91	81	73	67	89	79	72	66	76	70	65	74	68	64	71	67	63	61		
4	84	72	63	57	81	71	63	56	68	61	56	66	60	55	64	58	54	52		
5	77	64	56	49	75	63	55	49	61	54	48	59	53	48	57	52	47	45		
6	71	58	49	43	69	57	49	43	55	48	42	54	47	42	52	46	42	40		
7	66	53	44	38	64	52	44	38	50	43	38	49	42	37	48	42	37	35		
8	61	48	40	34	60	47	39	34	46	39	34	45	38	33	44	38	33	31		
9	57	44	36	31	56	44	36	30	42	35	30	41	35	30	40	34	30	28		
10	54	41	33	28	53	40	33	28	39	32	28	38	32	27	37	32	27	26		

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: P1046709

CATALOG NUMBER: 22PTR-45-L940-UNV-STD-W

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	139.0	3.6
10°-20°	397.8	10.2
20°-30°	600.8	15.4
30°-40°	714.4	18.3
40°-50°	724.5	18.5
50°-60°	629.1	16.1
60°-70°	446.6	11.4
70°-80°	213.4	5.5
80°-90°	40.5	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°	1137.6	29.1
0°-40°	1852.0	47.4
0°-60°	3205.6	82.1
0°-90°	3906.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3906.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1466	1466	1466	1466	1466	
5°	1472	1466	1460	1463	1466	140
15°	1417	1420	1405	1404	1403	401
25°	1317	1315	1298	1303	1294	608
35°	1172	1170	1151	1112	1107	736
45°	998	990	942	893	878	770
55°	783	760	696	655	632	700
65°	548	507	440	393	378	542
75°	305	249	185	147	130	320
85°	59	31	27	26	25	75
90°	0	0	0	0	0	

TEST NUMBER: P1046709

CATALOG NUMBER: 22PTR-45-L940-UNV-STD-W

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1466.5	1466.5	1466.5	1466.5	1466.5
2.5°	1475.2	1469.9	1468.2	1474.3	1459.5
5°	1471.7	1466.5	1459.5	1463.0	1465.6
7.5°	1461.2	1456.8	1447.2	1455.1	1447.2
10°	1450.7	1446.4	1439.4	1442.0	1433.3
12.5°	1440.3	1429.8	1428.0	1429.8	1423.7
15°	1416.7	1420.2	1405.3	1403.6	1402.7
17.5°	1405.3	1396.6	1380.9	1381.7	1380.0
20°	1379.1	1368.6	1357.3	1355.5	1352.0
22.5°	1352.0	1339.8	1329.3	1334.6	1326.7
25°	1317.1	1315.4	1297.9	1303.1	1293.5
27.5°	1286.5	1280.4	1272.6	1261.2	1247.2
30°	1253.3	1247.2	1239.4	1209.7	1199.2
32.5°	1218.4	1211.4	1195.7	1160.8	1149.4
35°	1172.1	1170.4	1151.2	1111.9	1106.6
37.5°	1137.2	1118.0	1102.2	1062.1	1047.2
40°	1095.3	1084.8	1048.1	1009.7	990.4
42.5°	1049.0	1036.7	994.8	953.8	932.8
45°	998.3	989.6	942.4	892.6	877.8
47.5°	945.9	938.0	882.1	834.1	814.9
50°	895.2	885.6	818.4	772.1	754.6
52.5°	840.2	824.5	758.1	712.7	696.1
55°	783.4	759.9	696.1	655.1	632.3
57.5°	723.2	701.3	630.6	587.8	569.5
60°	670.8	640.2	567.7	524.0	500.5
62.5°	603.5	577.3	508.3	456.8	445.4
65°	547.6	506.6	440.2	393.0	378.2
67.5°	490.9	442.8	375.6	327.5	319.7
70°	428.8	379.1	310.1	262.9	249.8
72.5°	366.0	317.0	249.8	200.0	192.2
75°	304.8	248.9	185.2	146.7	130.1
77.5°	238.4	187.8	130.1	90.0	79.5
80°	177.3	126.6	75.1	53.3	52.4
82.5°	116.2	73.4	40.2	41.1	39.3
85°	59.4	31.4	27.1	26.2	25.3
87.5°	11.4	12.2	13.1	13.1	13.1
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)