

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: P1046886

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

Issue Date: 7/10/2025

Test Information

Test Method: LM-79-2019
Report Number: P1046886
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2409-224-3)
Test Lab: INNOVATION CENTER
Issue Date: 7/10/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: 22PTR-35-PLG-L940-UNV-STD-W
Description: 3500 LUMEN 2X2 PERCEIVE PT TROFFER WITH 4000K, 90 CRI LEDS AND LOW GLARE LENS

Light Source:
Ballast/Driver: -

Summary

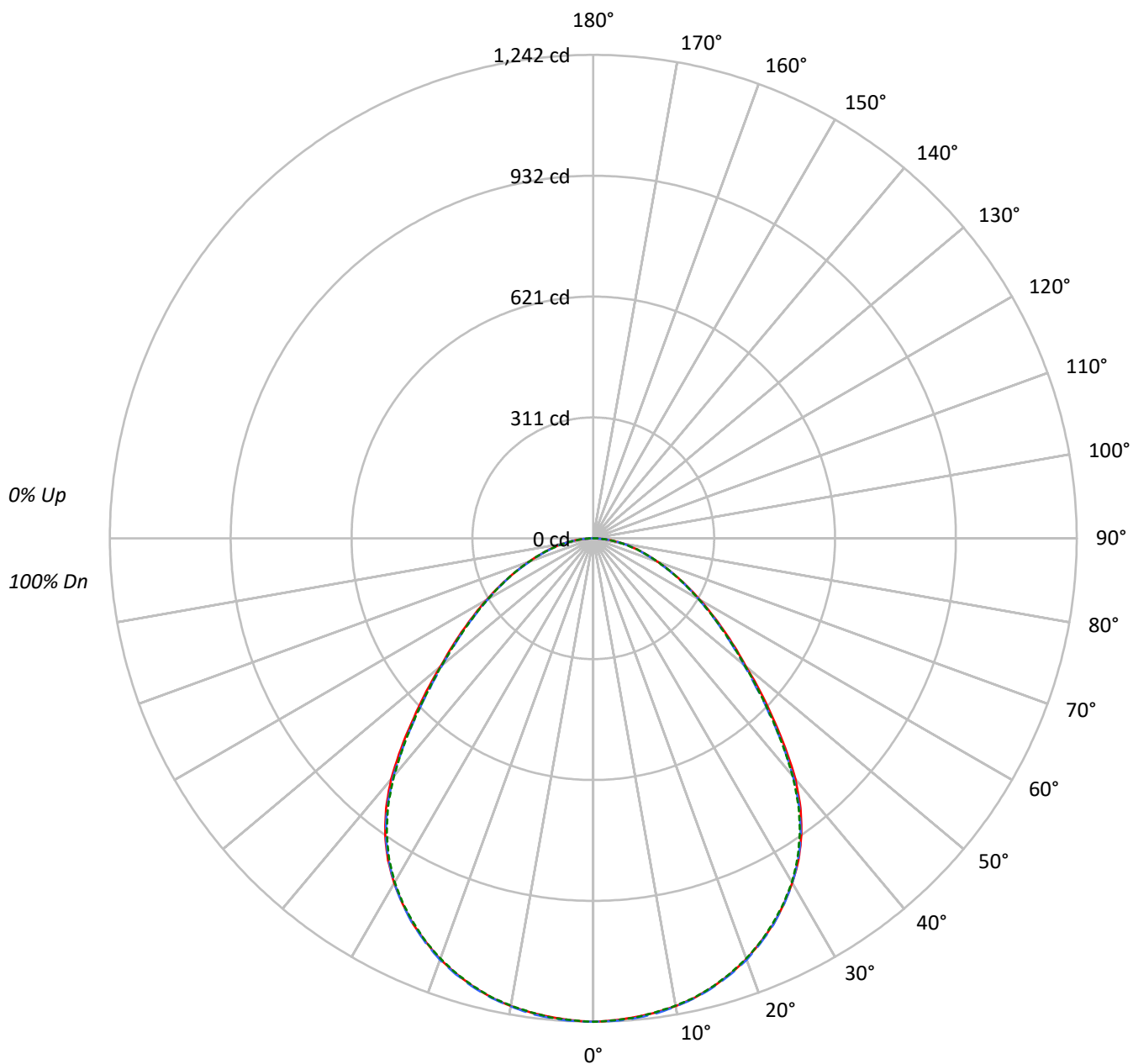
Lumens per Lamp: N/A
Luminaire Lumens: 2799.1 lumens
Efficiency: N/A
Efficacy: 107.7 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.22 / 1.26
Luminous Opening: (L: 2 ' x W: 0 ' x H: 2 '
CIE Type: Direct

Input Watts (W): 26
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

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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°	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: -

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	117.6	4.2
10°-20°	336.5	12.0
20°-30°	503.5	18.0
30°-40°	576.9	20.6
40°-50°	499.0	17.8
50°-60°	361.1	12.9
60°-70°	237.8	8.5
70°-80°	129.5	4.6
80°-90°	37.1	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°	957.7	34.2
0°-40°	1534.6	54.8
0°-60°	2394.7	85.6
0°-90°	2799.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2799.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1242	1242	1242	1242	1242	
5°	1235	1238	1238	1238	1236	117
15°	1192	1193	1194	1196	1191	336
25°	1094	1094	1095	1096	1092	503
35°	932	931	929	928	925	579
45°	652	650	641	640	644	505
55°	406	404	399	397	400	365
65°	240	242	238	236	239	239
75°	122	122	121	121	122	131
85°	33	33	33	34	29	38
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1242.2	1242.2	1242.2	1242.2	1242.2
2.5°	1239.6	1242.2	1241.3	1242.2	1239.6
5°	1235.2	1237.8	1237.8	1237.8	1236.1
7.5°	1229.0	1230.8	1231.7	1232.5	1228.1
10°	1220.2	1222.0	1221.1	1222.8	1219.3
12.5°	1208.7	1208.7	1209.6	1211.4	1207.8
15°	1192.0	1192.9	1193.7	1195.5	1191.1
17.5°	1172.6	1173.5	1174.3	1175.2	1171.7
20°	1150.5	1150.5	1152.3	1153.2	1148.8
22.5°	1123.2	1123.2	1125.0	1127.6	1122.3
25°	1094.1	1094.1	1095.0	1095.9	1091.5
27.5°	1059.7	1059.7	1060.6	1063.3	1058.0
30°	1022.7	1021.8	1022.7	1023.6	1020.1
32.5°	981.3	980.4	979.5	980.4	976.0
35°	931.9	931.0	929.2	928.4	924.8
37.5°	874.6	872.8	869.3	869.3	865.8
40°	807.6	803.2	798.8	797.0	796.1
42.5°	730.0	726.5	720.3	719.4	719.4
45°	651.5	649.8	641.0	640.1	643.6
47.5°	581.0	576.6	568.7	566.9	572.2
50°	511.4	512.2	505.2	502.5	507.8
52.5°	456.7	454.9	448.8	447.0	451.4
55°	405.6	403.8	399.4	396.7	400.3
57.5°	358.8	357.9	353.5	352.7	354.4
60°	316.5	315.6	312.1	311.2	312.1
62.5°	276.8	276.8	273.3	271.5	274.2
65°	239.8	241.6	238.0	236.3	238.9
67.5°	206.3	208.1	204.5	202.8	206.3
70°	174.6	176.3	172.8	171.0	174.6
72.5°	147.2	148.1	145.5	144.6	149.0
75°	122.5	122.5	120.8	120.8	122.5
77.5°	99.6	98.7	97.9	97.9	96.1
80°	76.7	75.8	75.8	75.8	73.2
82.5°	54.7	52.9	53.8	54.7	50.3
85°	32.6	32.6	32.6	33.5	29.1
87.5°	13.2	13.2	12.3	13.2	11.5
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)