

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: P1046882

Luminaire Tested: 22PTR-35-PLG-L840-UNV-STD-W

Issue Date: 7/10/2025

Test Information

Test Method: LM-79-2019
Report Number: P1046882
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-L840-UNV-STD-W
Description: 3500 LUMEN 2X2 PERCEIVE PT TROFFER WITH 4000K, 80 CRI LEDS AND LOW GLARE LENS

Light Source:
Ballast/Driver: -

Summary

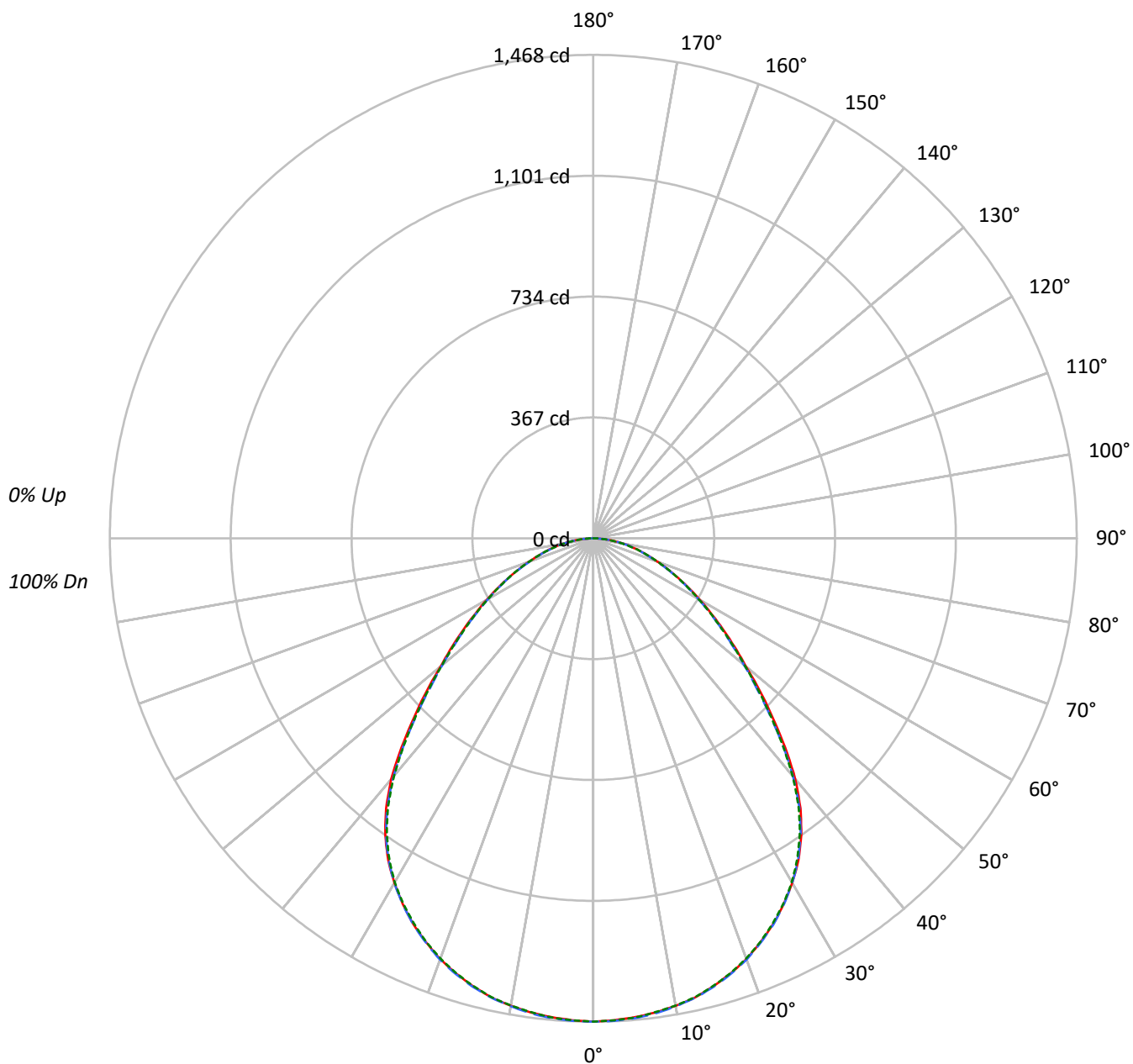
Lumens per Lamp: N/A
Luminaire Lumens: 3307.6 lumens
Efficiency: N/A
Efficacy: 127.2 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.22 / 1.26
Luminous Opening: (L: 2 ' x W: 0 ' x H: 2 '
CIE Type: Direct

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

TEST NUMBER: P1046882

CATALOG NUMBER: 22PTR-35-PLG-L840-UNV-STD-W

Luminous Intensity Polar Plot



TEST NUMBER: P1046882

CATALOG NUMBER: 22PTR-35-PLG-L840-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	110	106	102	98	107	103	100	97		99	96	94			95	93	91			92
2	101	94	87	82	99	92	86	81		88	84	79			85	81	78			82
3	93	83	76	70	91	82	75	69		79	73	68			76	71	67			74
4	86	75	67	60	84	73	66	60		71	64	59			69	63	58			67
5	79	67	59	53	77	66	58	53		64	57	52			62	56	51			61
6	74	61	53	47	72	60	52	47		58	51	46			57	51	46			55
7	69	56	48	42	67	55	47	42		54	46	41			52	46	41			51
8	64	51	43	38	62	51	43	38		49	42	37			48	42	37			47
9	60	47	39	34	59	47	39	34		46	39	34			44	38	34			43
10	56	44	36	31	55	43	36	31		42	36	31			41	35	31			40

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: P1046882

CATALOG NUMBER: 22PTR-35-PLG-L840-UNV-STD-W

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	139.0	4.2
10°-20°	397.7	12.0
20°-30°	595.0	18.0
30°-40°	681.7	20.6
40°-50°	589.6	17.8
50°-60°	426.7	12.9
60°-70°	281.1	8.5
70°-80°	153.0	4.6
80°-90°	43.8	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°	1131.7	34.2
0°-40°	1813.4	54.8
0°-60°	2829.7	85.6
0°-90°	3307.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3307.6	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1468	1468	1468	1468	1468	
5°	1460	1463	1463	1463	1461	139
15°	1408	1410	1411	1413	1408	397
25°	1293	1293	1294	1295	1290	595
35°	1101	1100	1098	1097	1093	684
45°	770	768	757	756	760	596
55°	479	477	472	469	473	431
65°	283	286	281	279	282	283
75°	145	145	143	143	145	154
85°	38	38	38	40	34	45
90°	0	0	0	0	0	

TEST NUMBER: P1046882

CATALOG NUMBER: 22PTR-35-PLG-L840-UNV-STD-W

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1467.9	1467.9	1467.9	1467.9	1467.9
2.5°	1464.8	1467.9	1466.9	1467.9	1464.8
5°	1459.6	1462.7	1462.7	1462.7	1460.6
7.5°	1452.3	1454.4	1455.4	1456.4	1451.2
10°	1441.9	1443.9	1442.9	1445.0	1440.8
12.5°	1428.3	1428.3	1429.4	1431.4	1427.3
15°	1408.5	1409.6	1410.6	1412.7	1407.5
17.5°	1385.6	1386.6	1387.7	1388.7	1384.6
20°	1359.6	1359.6	1361.6	1362.7	1357.5
22.5°	1327.3	1327.3	1329.3	1332.5	1326.2
25°	1292.9	1292.9	1293.9	1295.0	1289.8
27.5°	1252.2	1252.2	1253.3	1256.4	1250.2
30°	1208.5	1207.5	1208.5	1209.5	1205.4
32.5°	1159.5	1158.5	1157.4	1158.5	1153.3
35°	1101.2	1100.1	1098.1	1097.0	1092.9
37.5°	1033.5	1031.4	1027.2	1027.2	1023.1
40°	954.3	949.1	943.9	941.8	940.7
42.5°	862.6	858.4	851.2	850.1	850.1
45°	769.9	767.8	757.4	756.3	760.5
47.5°	686.5	681.3	672.0	669.9	676.1
50°	604.2	605.3	597.0	593.8	600.1
52.5°	539.7	537.6	530.3	528.2	533.4
55°	479.2	477.1	471.9	468.8	473.0
57.5°	424.0	423.0	417.8	416.7	418.8
60°	374.0	373.0	368.8	367.8	368.8
62.5°	327.1	327.1	323.0	320.9	324.0
65°	283.4	285.5	281.3	279.2	282.3
67.5°	243.8	245.9	241.7	239.6	243.8
70°	206.3	208.4	204.2	202.1	206.3
72.5°	174.0	175.0	171.9	170.9	176.1
75°	144.8	144.8	142.7	142.7	144.8
77.5°	117.7	116.7	115.6	115.6	113.6
80°	90.6	89.6	89.6	89.6	86.5
82.5°	64.6	62.5	63.6	64.6	59.4
85°	38.5	38.5	38.5	39.6	34.4
87.5°	15.6	15.6	14.6	15.6	13.5
90°	0.0	0.0	0.0	0.0	0.0





— 0°-180° - - 45°-225° - - - 90°-270°



(END OF REPORT)