

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: P1046872

Luminaire Tested: 22PTR-45-PLG-L935-UNV-STD-W

Issue Date: 7/10/2025

Test Information

Test Method: LM-79-2019
Report Number: P1046872
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-45-PLG-L935-UNV-STD-W
Description: 4500 LUMEN 2X2 PERCEIVE PT TROFFER WITH 3500K, 90 CRI LEDS AND LOW GLARE LENS

Light Source:
Ballast/Driver: -

Summary

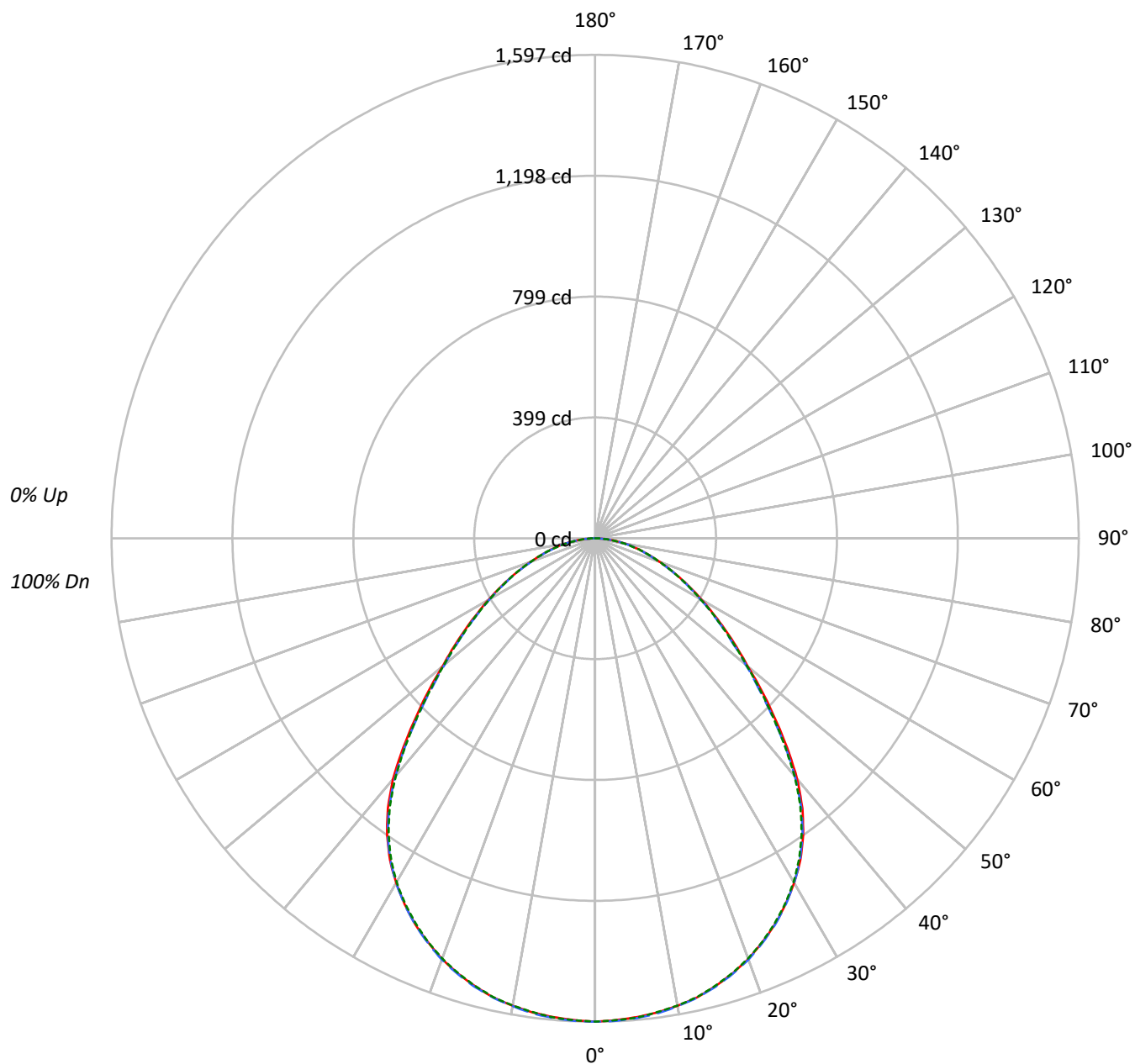
Lumens per Lamp: N/A
Luminaire Lumens: 3598.1 lumens
Efficiency: N/A
Efficacy: 102.8 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.22 / 1.26
Luminous Opening: (L: 2 ' x W: 0 ' x H: 2 '
CIE Type: Direct

Input Watts (W): 35
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
RCR																					
0	119	119	119	119		116	116	116	116		111	111	111		106	106	106		102	102	102
1	110	106	102	98		107	103	100	97		99	96	94		95	93	91		92	90	88
2	101	94	87	82		99	92	86	81		88	84	79		85	81	78		82	79	76
3	93	83	76	70		91	82	75	69		79	73	68		76	71	67		74	69	66
4	86	75	67	60		84	73	66	60		71	64	59		69	63	58		67	62	58
5	79	67	59	53		77	66	58	53		64	57	52		62	56	51		61	55	51
6	74	61	53	47		72	60	52	47		58	51	46		57	51	46		55	50	45
7	69	56	48	42		67	55	47	42		54	46	41		52	46	41		51	45	41
8	64	51	43	38		62	51	43	38		49	42	37		48	42	37		47	41	37
9	60	47	39	34		59	47	39	34		46	39	34		44	38	34		43	38	34
10	56	44	36	31		55	43	36	31		42	36	31		41	35	31		40	35	31

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°	151.2	4.2
10°-20°	432.6	12.0
20°-30°	647.3	18.0
30°-40°	741.6	20.6
40°-50°	641.4	17.8
50°-60°	464.2	12.9
60°-70°	305.8	8.5
70°-80°	166.4	4.6
80°-90°	47.7	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°	1231.0	34.2
0°-40°	1972.6	54.8
0°-60°	3078.2	85.6
0°-90°	3598.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3598.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1597	1597	1597	1597	1597	
5°	1588	1591	1591	1591	1589	151
15°	1532	1533	1534	1537	1531	432
25°	1406	1406	1408	1409	1403	647
35°	1198	1197	1194	1193	1189	744
45°	838	835	824	823	827	649
55°	521	519	513	510	514	469
65°	308	310	306	304	307	308
75°	158	158	155	155	158	168
85°	42	42	42	43	37	49
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1596.8	1596.8	1596.8	1596.8	1596.8
2.5°	1593.4	1596.8	1595.7	1596.8	1593.4
5°	1587.7	1591.1	1591.1	1591.1	1588.9
7.5°	1579.8	1582.1	1583.2	1584.3	1578.7
10°	1568.5	1570.7	1569.6	1571.9	1567.3
12.5°	1553.7	1553.7	1554.9	1557.1	1552.6
15°	1532.2	1533.3	1534.5	1536.7	1531.1
17.5°	1507.3	1508.4	1509.5	1510.7	1506.1
20°	1478.9	1478.9	1481.2	1482.3	1476.7
22.5°	1443.8	1443.8	1446.1	1449.5	1442.7
25°	1406.4	1406.4	1407.5	1408.7	1403.0
27.5°	1362.2	1362.2	1363.3	1366.7	1359.9
30°	1314.6	1313.5	1314.6	1315.7	1311.2
32.5°	1261.3	1260.2	1259.1	1260.2	1254.5
35°	1197.9	1196.7	1194.5	1193.3	1188.8
37.5°	1124.2	1122.0	1117.4	1117.4	1112.9
40°	1038.1	1032.4	1026.8	1024.5	1023.4
42.5°	938.4	933.8	925.9	924.8	924.8
45°	837.5	835.2	823.9	822.8	827.3
47.5°	746.8	741.2	731.0	728.7	735.5
50°	657.3	658.4	649.4	646.0	652.8
52.5°	587.0	584.8	576.8	574.6	580.2
55°	521.3	519.0	513.4	510.0	514.5
57.5°	461.2	460.1	454.4	453.3	455.6
60°	406.8	405.7	401.2	400.0	401.2
62.5°	355.9	355.9	351.3	349.1	352.5
65°	308.3	310.5	306.0	303.7	307.1
67.5°	265.2	267.5	262.9	260.7	265.2
70°	224.4	226.7	222.1	219.9	224.4
72.5°	189.3	190.4	187.0	185.9	191.5
75°	157.5	157.5	155.3	155.3	157.5
77.5°	128.1	126.9	125.8	125.8	123.5
80°	98.6	97.5	97.5	97.5	94.1
82.5°	70.3	68.0	69.1	70.3	64.6
85°	41.9	41.9	41.9	43.1	37.4
87.5°	17.0	17.0	15.9	17.0	14.7
90°	0.0	0.0	0.0	0.0	0.0







— 0°-180° - - 45°-225° - - - 90°-270°





(END OF REPORT)