

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: P1046880

Luminaire Tested: 22PTR-35-PLG-L830-UNV-STD-W

Issue Date: 7/10/2025

Test Information

Test Method: LM-79-2019
Report Number: P1046880
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-L830-UNV-STD-W
Description: 3500 LUMEN 2X2 PERCEIVE PT TROFFER WITH 3000K, 80 CRI LEDS AND LOW GLARE LENS

Light Source:
Ballast/Driver: -

Summary

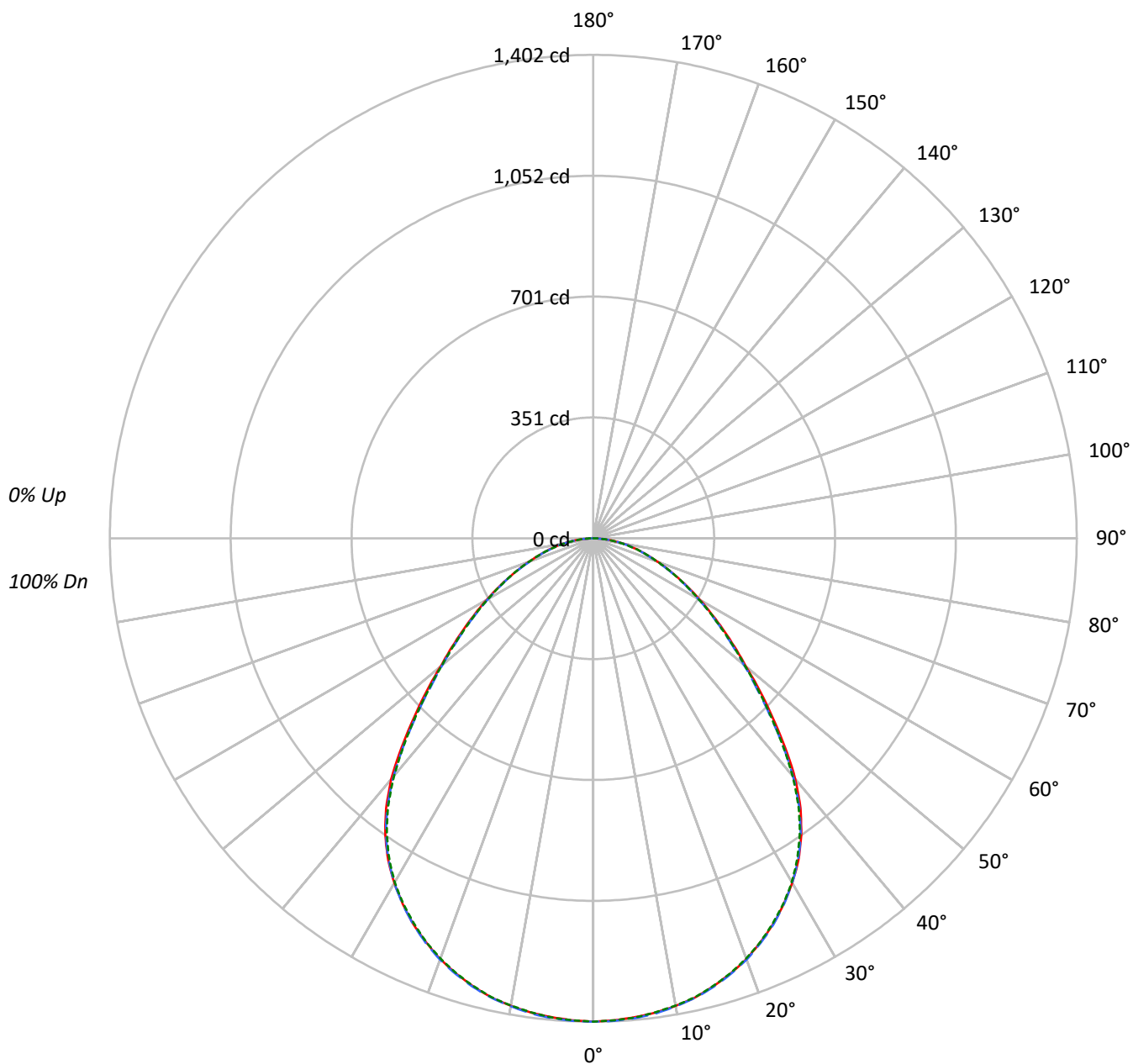
Lumens per Lamp: N/A
Luminaire Lumens: 3159.1 lumens
Efficiency: N/A
Efficacy: 121.5 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.22 / 1.26
Luminous Opening: (L: 2 ' x W: 0 ' x H: 2 '
CIE Type: Direct

Input Watts (W): 26
Input Voltage (V): 120
Input Current (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

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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°	132.7	4.2
10°-20°	379.8	12.0
20°-30°	568.3	18.0
30°-40°	651.1	20.6
40°-50°	563.1	17.8
50°-60°	407.6	12.9
60°-70°	268.4	8.5
70°-80°	146.1	4.6
80°-90°	41.9	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°	1080.8	34.2
0°-40°	1732.0	54.8
0°-60°	2702.6	85.6
0°-90°	3159.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3159.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1402	1402	1402	1402	1402	
5°	1394	1397	1397	1397	1395	133
15°	1345	1346	1347	1349	1344	379
25°	1235	1235	1236	1237	1232	568
35°	1052	1051	1049	1048	1044	653
45°	735	733	723	722	726	569
55°	458	456	451	448	452	412
65°	271	273	269	267	270	270
75°	138	138	136	136	138	147
85°	37	37	37	38	33	43
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1402.0	1402.0	1402.0	1402.0	1402.0
2.5°	1399.0	1402.0	1401.0	1402.0	1399.0
5°	1394.0	1397.0	1397.0	1397.0	1395.0
7.5°	1387.1	1389.1	1390.1	1391.0	1386.1
10°	1377.1	1379.1	1378.1	1380.1	1376.1
12.5°	1364.2	1364.2	1365.2	1367.2	1363.2
15°	1345.3	1346.3	1347.3	1349.3	1344.3
17.5°	1323.4	1324.4	1325.4	1326.4	1322.4
20°	1298.5	1298.5	1300.5	1301.5	1296.5
22.5°	1267.7	1267.7	1269.7	1272.6	1266.7
25°	1234.8	1234.8	1235.8	1236.8	1231.8
27.5°	1196.0	1196.0	1197.0	1200.0	1194.0
30°	1154.2	1153.2	1154.2	1155.2	1151.2
32.5°	1107.5	1106.5	1105.5	1106.5	1101.5
35°	1051.7	1050.7	1048.8	1047.8	1043.8
37.5°	987.1	985.1	981.1	981.1	977.1
40°	911.4	906.5	901.5	899.5	898.5
42.5°	823.9	819.9	812.9	811.9	811.9
45°	735.3	733.3	723.4	722.4	726.4
47.5°	655.7	650.7	641.8	639.8	645.8
50°	577.1	578.1	570.2	567.2	573.1
52.5°	515.4	513.4	506.5	504.5	509.5
55°	457.7	455.7	450.7	447.8	451.7
57.5°	405.0	404.0	399.0	398.0	400.0
60°	357.2	356.2	352.2	351.2	352.2
62.5°	312.4	312.4	308.5	306.5	309.5
65°	270.6	272.6	268.7	266.7	269.7
67.5°	232.8	234.8	230.8	228.9	232.8
70°	197.0	199.0	195.0	193.0	197.0
72.5°	166.2	167.2	164.2	163.2	168.2
75°	138.3	138.3	136.3	136.3	138.3
77.5°	112.4	111.4	110.4	110.4	108.5
80°	86.6	85.6	85.6	85.6	82.6
82.5°	61.7	59.7	60.7	61.7	56.7
85°	36.8	36.8	36.8	37.8	32.8
87.5°	14.9	14.9	13.9	14.9	12.9
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)