

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: P1046804

Luminaire Tested: 22PTR-25-PL1-L830-UNV-STD-W

Issue Date: 7/10/2025

Test Information

Test Method: LM-79-2019
Report Number: P1046804
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P737719)
Test Lab: INNOVATION CENTER
Issue Date: 7/10/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: 22PTR-25-PL1-L830-UNV-STD-W
Description: 2500 LUMEN 2X2 PERCEIVE PT TROFFER WITH 3000K, 80 CRI LEDS AND LEAVES LENS

Light Source:
Ballast/Driver: -

Summary

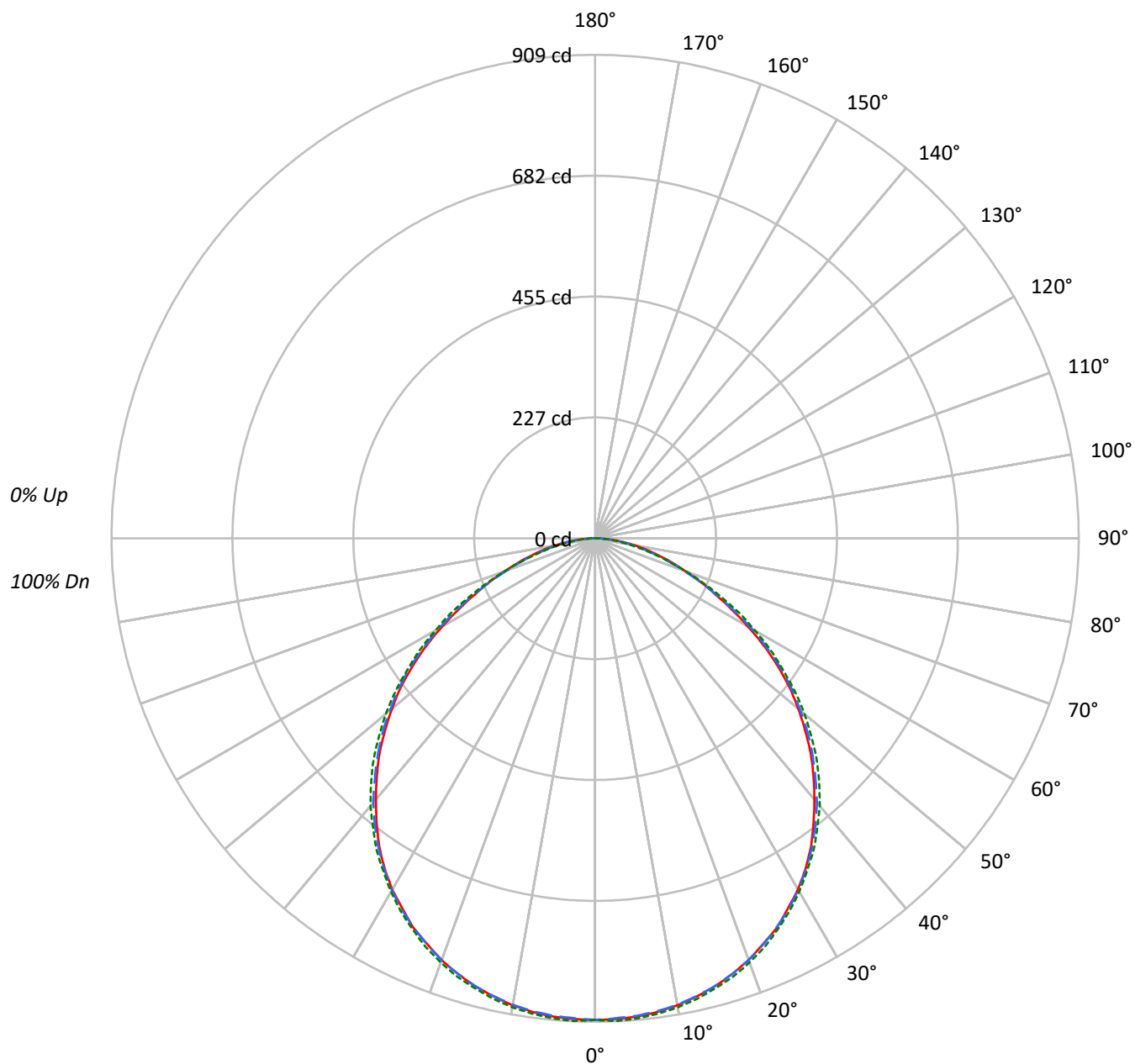
Lumens per Lamp: N/A
Luminaire Lumens: 2387.2 lumens
Efficiency: N/A
Efficacy: 125.6 lumens/watt
Spacing Criteria (0/90/45): 1.25 / 1.26 / 1.35
Luminous Opening: (L: 2 ' x W: 0 ' x H: 2 '
CIE Type: Direct

Input Watts (W): 19
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	109	105	101	97		107	103	99	96		98	95	93		94	92	90		91	89	87
2	100	92	86	80		97	90	84	79		87	82	77		83	79	75		80	77	74
3	91	81	73	67		89	80	72	66		77	70	65		74	69	64		71	67	63
4	84	72	64	57		82	71	63	57		68	61	56		66	60	55		64	59	55
5	77	65	56	49		75	64	55	49		61	54	49		60	53	48		58	52	48
6	71	58	50	43		69	57	49	43		56	48	43		54	47	42		52	47	42
7	66	53	44	38		65	52	44	38		51	43	38		49	43	38		48	42	37
8	62	48	40	34		60	48	40	34		46	39	34		45	39	34		44	38	34
9	58	44	36	31		56	44	36	31		43	36	31		42	35	30		41	35	30
10	54	41	33	28		53	41	33	28		40	33	28		39	32	28		38	32	28

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°	85.9	3.6
10°-20°	246.4	10.3
20°-30°	372.7	15.6
30°-40°	444.2	18.6
40°-50°	446.7	18.7
50°-60°	379.1	15.9
60°-70°	252.4	10.6
70°-80°	126.0	5.3
80°-90°	33.7	1.4
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°	705.0	29.5
0°-40°	1149.2	48.1
0°-60°	1975.0	82.7
0°-90°	2387.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2387.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	906	906	906	906	906	
5°	903	903	901	905	906	86
15°	872	873	871	875	876	246
25°	808	808	807	811	812	372
35°	708	708	710	715	716	441
45°	573	574	578	586	589	441
55°	419	422	426	430	430	373
65°	249	251	251	255	261	249
75°	123	121	116	113	113	132
85°	32	31	29	27	25	37
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	905.6	905.6	905.6	905.6	905.6
2.5°	904.9	905.6	903.2	907.6	908.7
5°	902.9	903.2	901.2	905.3	906.2
7.5°	898.5	898.9	896.8	901.2	901.8
10°	891.5	892.2	890.5	894.5	895.5
12.5°	882.5	883.4	881.7	886.1	886.8
15°	871.7	872.7	871.4	875.0	875.7
17.5°	858.6	859.3	858.6	862.0	863.9
20°	843.8	843.8	843.8	846.9	848.6
22.5°	825.4	827.1	826.4	830.4	832.1
25°	808.3	808.3	807.2	811.0	811.6
27.5°	784.4	787.1	786.9	790.2	790.9
30°	762.6	763.3	763.7	766.0	767.4
32.5°	736.2	736.8	737.9	741.1	741.5
35°	707.6	708.4	710.3	715.3	716.0
37.5°	674.5	678.1	679.8	685.2	685.8
40°	641.2	643.5	648.6	654.2	656.9
42.5°	607.3	610.0	613.0	620.7	623.1
45°	573.4	574.4	578.1	585.8	589.2
47.5°	535.8	538.9	542.2	548.9	551.0
50°	498.3	501.6	503.6	509.6	513.6
52.5°	460.4	463.4	465.7	469.4	473.4
55°	418.8	421.7	425.5	429.5	430.5
57.5°	376.5	379.8	382.2	386.5	390.9
60°	331.1	334.9	338.2	342.2	346.6
62.5°	288.9	290.5	293.9	300.7	307.0
65°	248.6	250.7	251.3	255.1	261.4
67.5°	215.1	215.1	212.0	213.4	220.4
70°	179.8	178.5	176.2	174.8	180.6
72.5°	151.3	149.6	144.6	142.3	145.3
75°	122.8	121.1	115.7	113.0	113.4
77.5°	98.6	96.0	91.6	86.9	86.0
80°	74.9	73.8	69.5	65.1	61.7
82.5°	53.0	50.7	48.3	45.6	42.9
85°	31.8	31.2	28.9	27.2	24.9
87.5°	13.0	13.0	12.4	11.7	11.1
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)