

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: P1046720

Luminaire Tested: 22PTR-25-PB1-L830-UNV-STD-W

Issue Date: 7/10/2025

Test Information

Test Method: LM-79-2019
Report Number: P1046720
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P737703)
Test Lab: INNOVATION CENTER
Issue Date: 7/10/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: 22PTR-25-PB1-L830-UNV-STD-W
Description: 2500 LUMEN 2X2 PERCEIVE PT TROFFER WITH 3000K, 80 CRI LEDS AND BEVEL LENS

Light Source:
Ballast/Driver: -

Summary

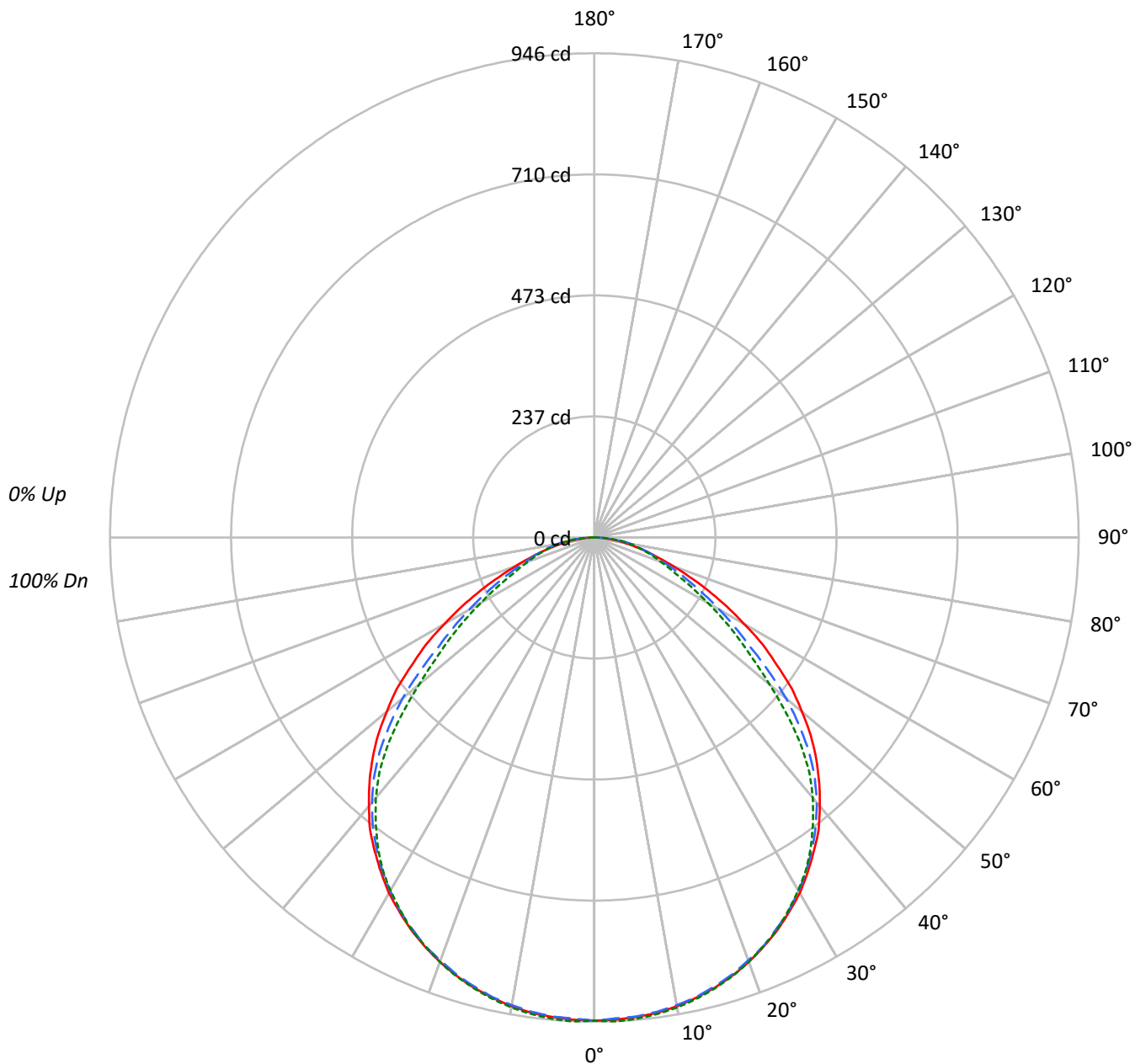
Lumens per Lamp: N/A
Luminaire Lumens: 2354.0 lumens
Efficiency: N/A
Efficacy: 123.9 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.25 / 1.34
Luminous Opening: (L: 2 ' x W: 0 ' x H: 2 '
CIE Type: Direct

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
RCR																				
0	119	119	119	119	116	116	116	116		111	111	111			106	106	106			102
1	110	105	101	98	107	103	99	96		99	96	93			95	93	90			91
2	100	93	86	81	98	91	85	80		87	83	78			84	80	77			81
3	92	82	75	69	90	81	74	68		78	72	67			75	70	66			73
4	85	73	65	59	83	72	64	58		70	63	58			67	62	57			65
5	78	66	57	51	76	65	57	51		63	56	50			61	55	50			59
6	72	60	51	45	71	59	51	45		57	50	44			55	49	44			54
7	67	54	46	40	66	53	45	40		52	45	39			51	44	39			49
8	63	50	41	36	61	49	41	36		48	41	35			46	40	35			45
9	59	46	38	32	57	45	37	32		44	37	32			43	36	32			42
10	55	42	34	29	54	42	34	29		41	34	29			40	33	29			39

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°	89.5	3.8
10°-20°	256.8	10.9
20°-30°	389.1	16.5
30°-40°	463.6	19.7
40°-50°	453.3	19.3
50°-60°	342.9	14.6
60°-70°	210.7	8.9
70°-80°	112.2	4.8
80°-90°	35.8	1.5
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°	735.4	31.2
0°-40°	1199.0	50.9
0°-60°	1995.3	84.8
0°-90°	2354.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2354.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	944	944	944	944	944	
5°	940	942	939	943	944	89
15°	910	912	908	912	912	257
25°	846	845	843	844	845	390
35°	748	747	742	738	737	468
45°	613	610	593	574	569	472
55°	435	413	370	350	344	390
65°	245	225	207	190	185	244
75°	104	106	107	103	101	112
85°	23	30	37	35	32	28
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	944.0	944.0	944.0	944.0	944.0
2.5°	942.9	944.0	940.5	945.3	946.4
5°	940.5	941.7	939.4	942.9	944.0
7.5°	937.1	937.1	934.8	938.2	939.4
10°	930.1	930.1	927.8	931.2	932.5
12.5°	920.9	920.9	919.7	922.0	923.2
15°	910.4	911.5	908.1	911.5	911.5
17.5°	897.6	896.5	895.3	897.6	898.8
20°	882.5	882.5	879.1	881.4	882.5
22.5°	865.0	865.0	863.9	865.0	863.9
25°	846.5	845.3	843.0	844.2	845.3
27.5°	824.4	824.4	822.1	822.1	820.9
30°	802.4	801.2	797.7	795.4	796.5
32.5°	775.7	774.5	771.1	768.7	769.8
35°	747.8	746.7	742.0	738.5	737.4
37.5°	720.0	716.4	710.6	706.0	701.3
40°	685.1	681.6	675.8	665.4	664.1
42.5°	650.2	646.8	637.4	624.8	621.2
45°	613.1	609.6	593.3	573.6	568.9
47.5°	573.6	567.8	542.2	517.9	508.6
50°	529.6	519.1	488.8	457.5	447.0
52.5°	486.5	468.0	428.5	400.6	390.2
55°	435.4	413.4	370.5	349.5	343.7
57.5°	390.2	360.0	325.1	304.3	299.6
60°	337.9	310.0	282.2	263.6	256.6
62.5°	290.3	265.9	242.7	226.4	218.3
65°	245.0	225.3	206.8	190.4	184.7
67.5°	200.9	190.4	175.3	162.6	159.1
70°	163.7	157.9	147.5	141.7	137.0
72.5°	130.1	132.4	125.4	123.1	119.6
75°	104.5	105.7	106.8	103.4	101.1
77.5°	79.0	84.7	89.4	87.0	84.7
80°	59.2	65.0	73.1	69.7	69.7
82.5°	40.6	47.7	54.6	52.3	51.1
85°	23.3	30.2	37.2	34.9	32.5
87.5°	9.3	15.1	16.2	16.2	15.1
90°	0.0	0.0	0.0	0.0	0.0







— 0°-180° - - 45°-225° - - - 90°-270°



(END OF REPORT)