

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: P1046750

Luminaire Tested: 22PTR-25-PB1-L940-UNV-STD-W

Issue Date: 7/10/2025

Test Information

Test Method: LM-79-2019
Report Number: P1046750
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-L940-UNV-STD-W
Description: 2500 LUMEN 2X2 PERCEIVE PT TROFFER WITH 4000K, 90 CRI LEDS AND BEVEL LENS

Light Source:
Ballast/Driver: -

Summary

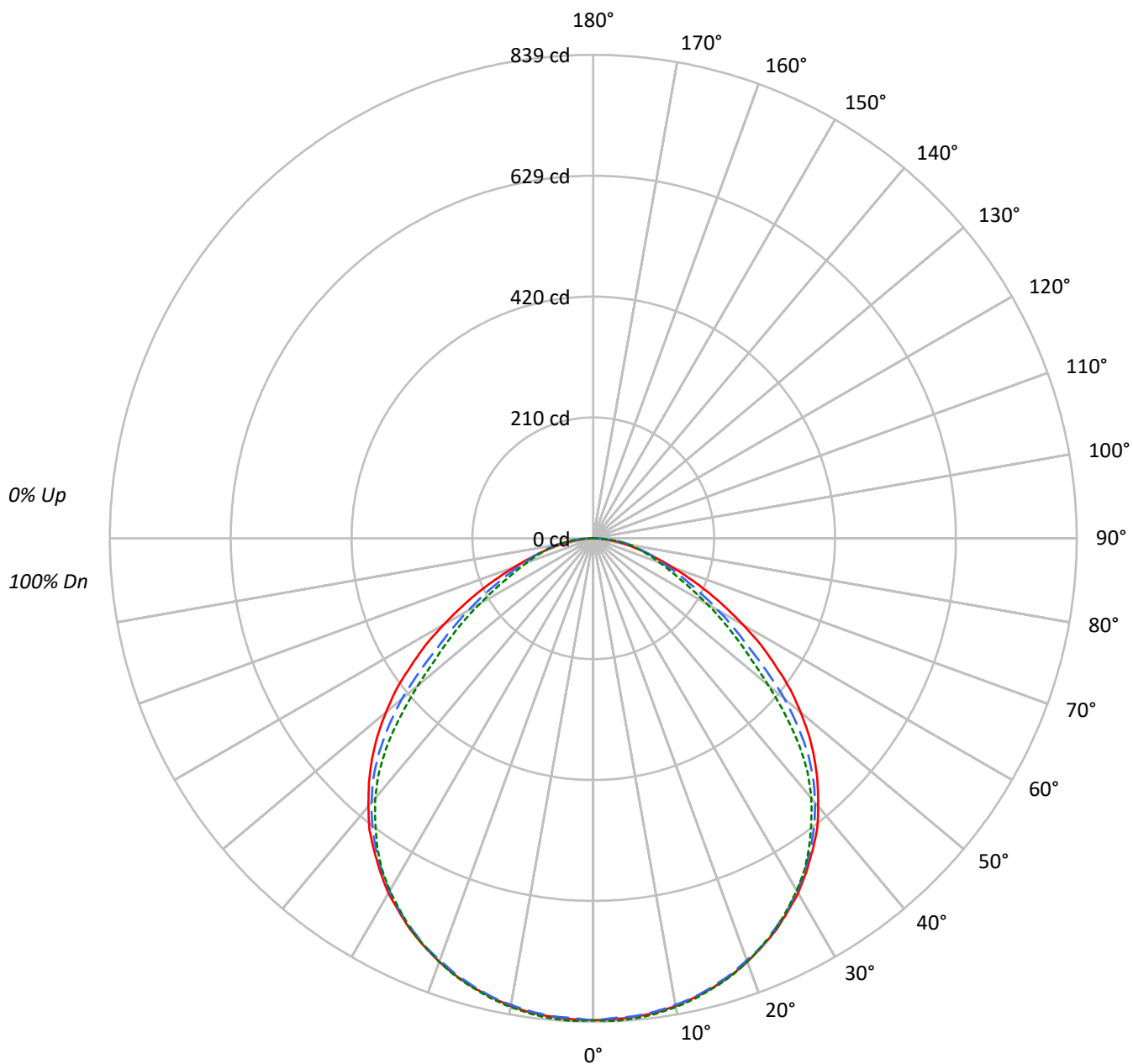
Lumens per Lamp: N/A
Luminaire Lumens: 2086.0 lumens
Efficiency: N/A
Efficacy: 109.8 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.25 / 1.34
Luminous Opening: (L: 2 ' x W: 0 ' x H: 2 '
CIE Type: Direct

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	30	10	50	30	10
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100		
1	110	105	101	98	107	103	99	96	99	96	93	95	93	90	91	89	88	86		
2	100	93	86	81	98	91	85	80	87	83	78	84	80	77	81	78	75	73		
3	92	82	75	69	90	81	74	68	78	72	67	75	70	66	73	68	64	62		
4	85	73	65	59	83	72	64	58	70	63	58	67	62	57	65	60	56	54		
5	78	66	57	51	76	65	57	51	63	56	50	61	55	50	59	54	49	47		
6	72	60	51	45	71	59	51	45	57	50	44	55	49	44	54	48	44	42		
7	67	54	46	40	66	53	45	40	52	45	39	51	44	39	49	43	39	37		
8	63	50	41	36	61	49	41	36	48	41	35	46	40	35	45	39	35	33		
9	59	46	38	32	57	45	37	32	44	37	32	43	36	32	42	36	32	30		
10	55	42	34	29	54	42	34	29	41	34	29	40	33	29	39	33	29	27		

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°	79.3	3.8
10°-20°	227.6	10.9
20°-30°	344.8	16.5
30°-40°	410.8	19.7
40°-50°	401.7	19.3
50°-60°	303.9	14.6
60°-70°	186.7	8.9
70°-80°	99.5	4.8
80°-90°	31.7	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°	651.7	31.2
0°-40°	1062.5	50.9
0°-60°	1768.1	84.8
0°-90°	2086.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2086.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	837	837	837	837	837	
5°	833	834	832	836	837	79
15°	807	808	805	808	808	228
25°	750	749	747	748	749	345
35°	663	662	658	654	654	414
45°	543	540	526	508	504	418
55°	386	366	328	310	304	346
65°	217	200	183	169	164	216
75°	93	94	95	92	90	99
85°	21	27	33	31	29	25
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	836.6	836.6	836.6	836.6	836.6
2.5°	835.6	836.6	833.4	837.6	838.6
5°	833.4	834.5	832.5	835.6	836.6
7.5°	830.4	830.4	828.3	831.4	832.5
10°	824.2	824.2	822.2	825.2	826.3
12.5°	816.0	816.0	815.0	817.0	818.1
15°	806.7	807.7	804.7	807.7	807.7
17.5°	795.4	794.4	793.3	795.4	796.5
20°	782.0	782.0	779.0	781.0	782.0
22.5°	766.6	766.6	765.6	766.6	765.6
25°	750.1	749.1	747.0	748.1	749.1
27.5°	730.6	730.6	728.5	728.5	727.5
30°	711.0	710.0	706.9	704.9	705.8
32.5°	687.4	686.3	683.3	681.2	682.2
35°	662.6	661.7	657.6	654.4	653.5
37.5°	638.0	634.9	629.7	625.6	621.5
40°	607.1	604.0	598.9	589.6	588.5
42.5°	576.2	573.2	564.9	553.6	550.5
45°	543.3	540.2	525.8	508.3	504.2
47.5°	508.3	503.2	480.5	458.9	450.7
50°	469.3	460.0	433.2	405.4	396.1
52.5°	431.1	414.7	379.7	355.0	345.8
55°	385.9	366.3	328.3	309.7	304.5
57.5°	345.8	319.0	288.1	269.6	265.5
60°	299.4	274.7	250.1	233.6	227.4
62.5°	257.2	235.6	215.1	200.6	193.5
65°	217.1	199.6	183.2	168.7	163.7
67.5°	178.0	168.7	155.3	144.1	141.0
70°	145.1	139.9	130.7	125.5	121.4
72.5°	115.3	117.3	111.2	109.1	106.0
75°	92.6	93.7	94.6	91.6	89.6
77.5°	70.0	75.1	79.2	77.1	75.1
80°	52.5	57.6	64.8	61.8	61.8
82.5°	36.0	42.2	48.4	46.3	45.3
85°	20.6	26.8	32.9	30.9	28.8
87.5°	8.2	13.4	14.4	14.4	13.4
90°	0.0	0.0	0.0	0.0	0.0





— 0°-180° - - 45°-225° - - - 90°-270°



(END OF REPORT)