

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: P1046959

Luminaire Tested: 22PTR-20-PR1-L940-UNV-STD-W

Issue Date: 7/10/2025

Test Information

Test Method: LM-79-2019
Report Number: P1046959
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P737735)
Test Lab: INNOVATION CENTER
Issue Date: 7/10/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: 22PTR-20-PR1-L940-UNV-STD-W
Description: 2000 LUMEN 2X2 PERCEIVE PT TROFFER WITH 4000K, 90 CRI LEDS AND RIPPLE LENS

Light Source:
Ballast/Driver: -

Summary

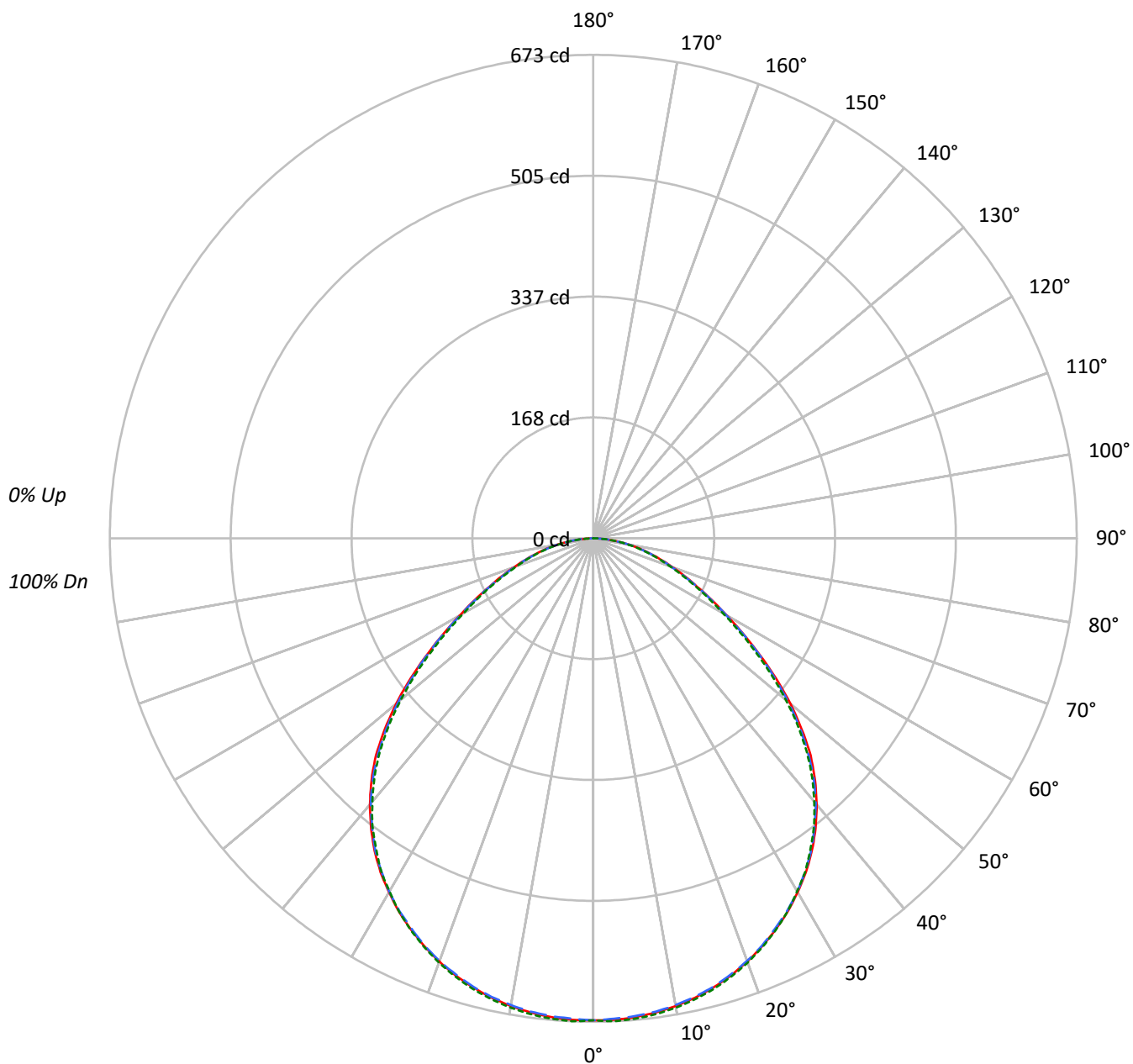
Lumens per Lamp: N/A
Luminaire Lumens: 1697.5 lumens
Efficiency: N/A
Efficacy: 113.2 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.26 / 1.34
Luminous Opening: (L: 2 ' x W: 0 ' x H: 2 '
CIE Type: Direct

Input Watts (W): 15
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
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	92	90			91
2	100	93	86	81	98	91	85	80		87	82	78			84	80	76			81
3	92	82	74	68	90	80	73	68		78	71	66			75	70	65			72
4	85	73	65	58	82	72	64	58		69	63	57			67	61	56			65
5	78	66	57	51	76	65	56	50		62	55	50			61	54	49			59
6	72	59	51	45	70	58	50	44		57	49	44			55	49	44			53
7	67	54	45	40	65	53	45	39		52	44	39			50	44	39			49
8	62	49	41	35	61	49	41	35		47	40	35			46	40	35			45
9	58	45	37	32	57	45	37	32		44	37	32			43	36	32			42
10	55	42	34	29	54	41	34	29		40	34	29			39	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°	63.7	3.8
10°-20°	182.7	10.8
20°-30°	276.9	16.3
30°-40°	330.5	19.5
40°-50°	325.0	19.1
50°-60°	251.2	14.8
60°-70°	158.4	9.3
70°-80°	85.7	5.0
80°-90°	23.4	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°	523.3	30.8
0°-40°	853.8	50.3
0°-60°	1430.0	84.2
0°-90°	1697.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1697.5	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	671	671	671	671	671	
5°	669	670	668	671	672	64
15°	647	647	646	648	649	183
25°	601	601	599	601	602	277
35°	531	531	530	529	527	331
45°	428	426	423	420	420	328
55°	283	285	282	277	276	254
65°	160	160	159	156	155	161
75°	82	81	80	81	79	87
85°	20	20	20	20	19	24
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	671.2	671.2	671.2	671.2	671.2
2.5°	671.0	671.2	669.3	672.4	673.1
5°	669.3	669.6	667.8	670.7	671.5
7.5°	665.9	666.4	664.7	667.6	668.3
10°	661.1	661.6	659.9	662.8	663.5
12.5°	655.1	655.3	653.9	656.5	657.2
15°	647.2	647.4	646.2	648.3	649.3
17.5°	638.0	638.3	636.6	639.2	639.7
20°	627.0	627.2	626.2	628.4	628.6
22.5°	614.7	615.2	613.7	615.6	615.9
25°	600.8	601.2	599.3	601.2	601.5
27.5°	586.1	586.3	584.6	586.1	585.8
30°	568.9	570.4	568.2	567.7	567.5
32.5°	551.2	551.4	549.3	548.8	549.7
35°	530.8	530.9	529.5	528.8	527.3
37.5°	508.4	508.4	505.7	505.2	505.0
40°	483.8	483.5	481.9	480.2	478.5
42.5°	457.1	457.6	454.2	451.3	450.9
45°	428.0	426.3	423.1	419.8	420.1
47.5°	393.6	394.0	389.8	387.0	386.3
50°	357.9	357.9	353.9	351.0	349.6
52.5°	320.7	321.0	317.1	313.3	312.5
55°	282.7	285.0	281.5	276.9	276.0
57.5°	247.1	249.0	245.6	240.8	240.6
60°	214.2	214.3	213.4	208.8	207.6
62.5°	186.0	184.8	184.3	181.9	180.4
65°	159.5	159.8	158.6	155.9	155.4
67.5°	138.1	137.8	135.7	134.0	133.0
70°	117.1	116.4	115.5	114.1	113.1
72.5°	98.4	98.4	97.6	97.2	95.5
75°	82.1	81.1	80.2	80.6	78.7
77.5°	66.4	65.5	64.7	63.7	63.3
80°	50.3	49.3	49.6	48.1	47.9
82.5°	34.9	34.9	34.4	33.2	33.5
85°	19.9	20.2	19.8	19.9	19.0
87.5°	7.3	7.4	8.0	7.4	7.4
90°	0.0	0.0	0.0	0.0	0.0







— 0°-180° - - 45°-225° - - - 90°-270°



(END OF REPORT)