

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: P1046791

Luminaire Tested: 22PTR-20-PC3-L940-UNV-STD-W

Issue Date: 7/10/2025

Test Information

Test Method: LM-79-2019
Report Number: P1046791
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P737711)
Test Lab: INNOVATION CENTER
Issue Date: 7/10/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: 22PTR-20-PC3-L940-UNV-STD-W
Description: 2000 LUMEN 2X2 PERCEIVE PT TROFFER WITH 4000K, 90 CRI LEDS AND PARAMID LENS

Light Source:
Ballast/Driver: -

Summary

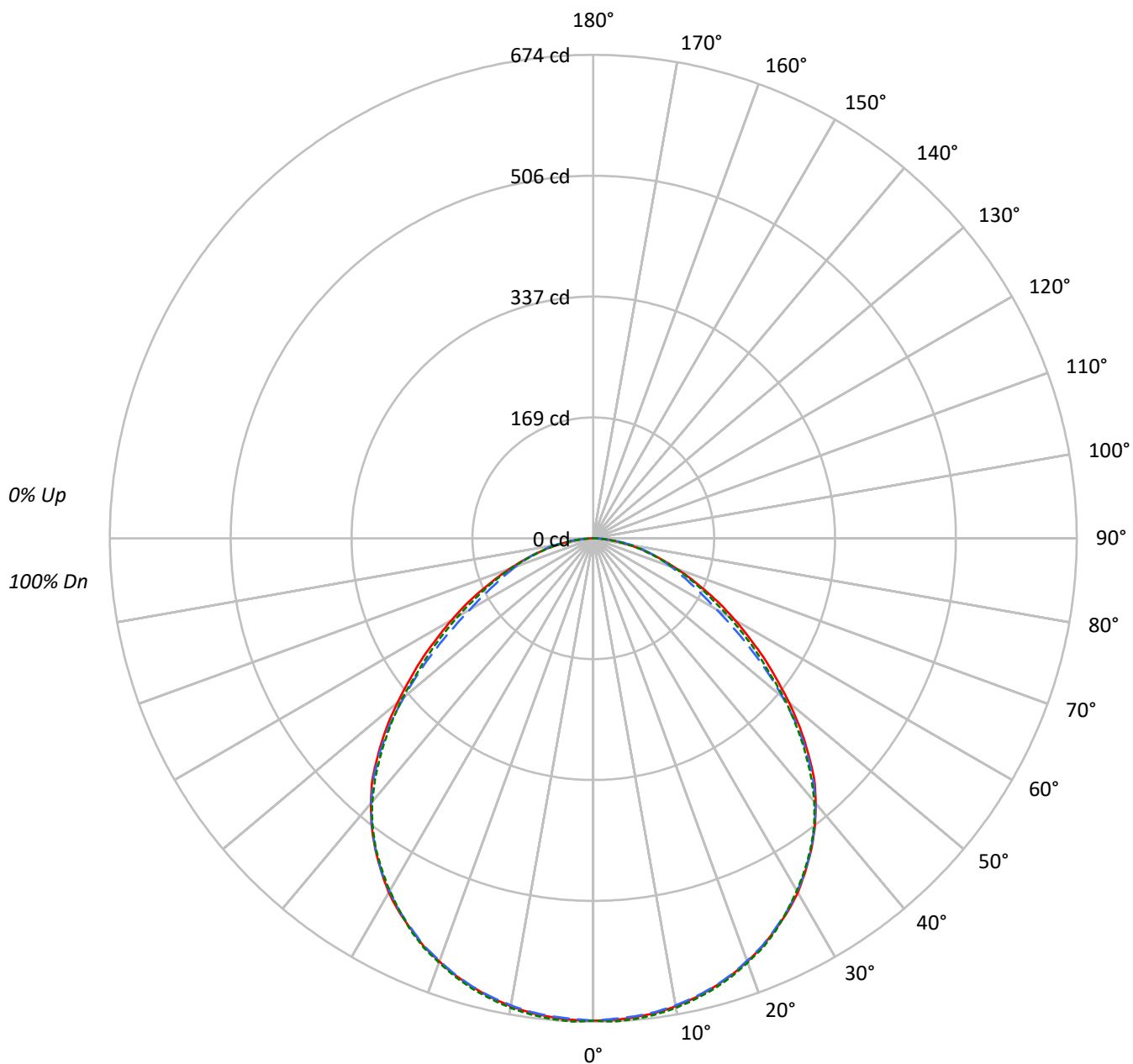
Lumens per Lamp: N/A
Luminaire Lumens: 1695.6 lumens
Efficiency: N/A
Efficacy: 113.0 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.25 / 1.34
Luminous Opening: (L: 2 ' x W: 0 ' x H: 2 '
CIE Type: Direct

Input Watts (W): 15
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	92	90	91	89	87	85		
2	100	93	86	81	98	91	85	80	87	82	78	84	80	76	81	78	75	72		
3	92	82	74	68	90	80	73	68	77	71	66	75	70	65	72	68	64	62		
4	85	73	65	58	82	72	64	58	69	63	57	67	61	56	65	60	56	54		
5	78	66	57	51	76	65	56	50	62	55	50	61	54	49	59	53	49	47		
6	72	59	51	45	70	58	50	44	57	49	44	55	49	44	53	48	43	41		
7	67	54	46	40	65	53	45	39	52	44	39	50	44	39	49	43	39	37		
8	62	49	41	35	61	49	41	35	47	40	35	46	40	35	45	39	35	33		
9	58	45	37	32	57	45	37	32	44	37	32	43	36	32	42	36	31	30		
10	55	42	34	29	54	41	34	29	40	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°	63.8	3.8
10°-20°	183.1	10.8
20°-30°	277.2	16.3
30°-40°	330.5	19.5
40°-50°	322.9	19.0
50°-60°	246.9	14.6
60°-70°	158.5	9.4
70°-80°	88.2	5.2
80°-90°	24.4	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°	524.1	30.9
0°-40°	854.6	50.4
0°-60°	1424.5	84.0
0°-90°	1695.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1695.6	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	672	672	672	672	672	
5°	670	671	669	672	673	64
15°	648	649	648	650	650	183
25°	601	602	600	602	603	277
35°	530	530	529	529	528	331
45°	423	424	420	419	416	326
55°	290	280	267	270	278	259
65°	172	159	150	155	165	172
75°	83	84	84	83	81	88
85°	18	21	21	21	18	22
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	672.5	672.5	672.5	672.5	672.5
2.5°	672.1	672.4	670.6	673.5	674.5
5°	670.2	670.6	669.0	672.1	672.8
7.5°	667.3	667.7	666.1	669.2	669.5
10°	662.5	662.8	661.3	664.4	664.8
12.5°	656.0	656.7	655.1	657.9	658.1
15°	648.2	648.8	647.5	649.7	650.4
17.5°	639.2	639.4	638.2	640.6	640.8
20°	627.8	627.8	626.8	629.5	629.5
22.5°	616.3	615.6	615.3	616.3	617.7
25°	601.4	602.1	600.4	602.4	602.8
27.5°	587.0	587.0	585.5	586.5	585.2
30°	570.4	569.4	568.4	568.6	567.5
32.5°	550.4	550.4	549.9	549.9	548.4
35°	529.7	530.2	529.2	528.9	528.2
37.5°	507.5	508.3	506.6	506.1	505.6
40°	482.3	482.3	481.6	480.6	479.4
42.5°	456.1	456.1	453.0	450.5	448.9
45°	423.4	424.3	420.2	419.3	415.9
47.5°	390.9	390.2	384.6	383.9	382.0
50°	356.2	352.1	344.3	346.4	348.1
52.5°	321.6	316.6	305.0	307.4	310.3
55°	290.1	280.0	266.6	269.9	278.5
57.5°	257.1	243.7	230.2	236.5	247.3
60°	228.0	212.9	198.2	205.0	217.5
62.5°	200.1	184.1	172.3	178.7	189.3
65°	172.3	159.0	149.9	154.9	165.3
67.5°	146.7	137.8	131.6	134.0	142.4
70°	123.7	118.1	114.8	115.5	120.3
72.5°	101.7	100.3	99.1	99.1	99.5
75°	82.8	83.5	84.2	83.0	81.1
77.5°	65.2	67.6	69.3	66.9	64.5
80°	47.9	51.7	53.9	51.2	47.6
82.5°	32.7	37.1	37.8	36.1	32.0
85°	18.0	21.2	21.4	20.7	18.0
87.5°	6.7	8.0	8.7	8.0	7.0
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)