

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: P1046786

Luminaire Tested: 22PTR-20-PC3-L935-UNV-STD-W

Issue Date: 7/10/2025

Test Information

Test Method: LM-79-2019
Report Number: P1046786
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-L935-UNV-STD-W
Description: 2000 LUMEN 2X2 PERCEIVE PT TROFFER WITH 3500K, 90 CRI LEDS AND PARAMID LENS

Light Source:
Ballast/Driver: -

Summary

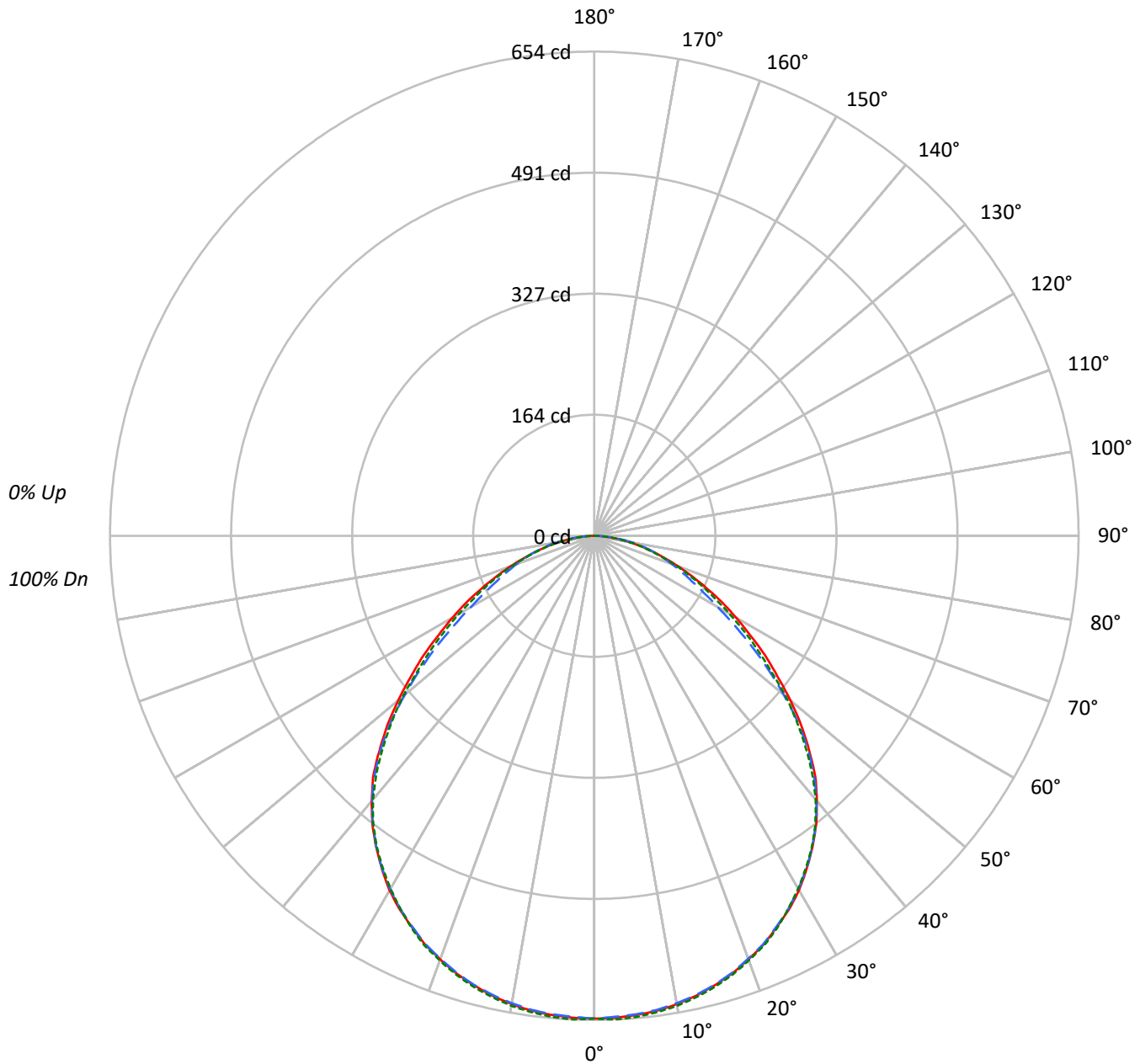
Lumens per Lamp: N/A
Luminaire Lumens: 1644.2 lumens
Efficiency: N/A
Efficacy: 109.6 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.25 / 1.34
Luminous Opening: (L: 2 ' x W: 0 ' x H: 2 '
CIE Type: Direct

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°	61.9	3.8
10°-20°	177.5	10.8
20°-30°	268.8	16.3
30°-40°	320.5	19.5
40°-50°	313.1	19.0
50°-60°	239.4	14.6
60°-70°	153.7	9.4
70°-80°	85.5	5.2
80°-90°	23.6	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°	508.2	30.9
0°-40°	828.7	50.4
0°-60°	1381.3	84.0
0°-90°	1644.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1644.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	652	652	652	652	652	
5°	650	650	649	652	652	62
15°	629	629	628	630	631	177
25°	583	584	582	584	584	269
35°	514	514	513	513	512	321
45°	410	412	408	406	403	316
55°	281	272	258	262	270	251
65°	167	154	145	150	160	167
75°	80	81	82	80	79	86
85°	18	20	21	20	18	21
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	652.1	652.1	652.1	652.1	652.1
2.5°	651.7	652.0	650.3	653.1	654.0
5°	649.9	650.3	648.7	651.7	652.4
7.5°	647.1	647.5	645.9	648.9	649.2
10°	642.4	642.7	641.2	644.3	644.7
12.5°	636.1	636.8	635.2	638.0	638.2
15°	628.6	629.1	627.9	630.0	630.7
17.5°	619.8	620.0	618.8	621.1	621.4
20°	608.8	608.8	607.8	610.5	610.5
22.5°	597.6	596.9	596.6	597.6	599.0
25°	583.2	583.8	582.2	584.1	584.5
27.5°	569.2	569.2	567.7	568.7	567.5
30°	553.1	552.1	551.2	551.4	550.3
32.5°	533.7	533.7	533.2	533.2	531.8
35°	513.7	514.1	513.2	512.9	512.2
37.5°	492.1	492.9	491.2	490.8	490.3
40°	467.6	467.6	467.0	466.0	464.9
42.5°	442.2	442.2	439.3	436.9	435.3
45°	410.5	411.5	407.5	406.5	403.3
47.5°	379.0	378.3	373.0	372.3	370.4
50°	345.4	341.5	333.8	335.9	337.6
52.5°	311.9	307.0	295.8	298.1	300.9
55°	281.3	271.5	258.5	261.7	270.1
57.5°	249.3	236.3	223.2	229.3	239.8
60°	221.1	206.5	192.2	198.7	210.9
62.5°	194.1	178.5	167.0	173.3	183.6
65°	167.0	154.2	145.3	150.2	160.3
67.5°	142.3	133.7	127.6	129.9	138.1
70°	119.9	114.5	111.3	112.0	116.6
72.5°	98.6	97.3	96.1	96.1	96.5
75°	80.3	80.9	81.6	80.5	78.6
77.5°	63.2	65.5	67.2	64.8	62.5
80°	46.4	50.2	52.3	49.7	46.2
82.5°	31.7	35.9	36.6	35.0	31.0
85°	17.5	20.5	20.8	20.1	17.5
87.5°	6.5	7.7	8.4	7.7	6.8
90°	0.0	0.0	0.0	0.0	0.0

Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

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— 0°-180° - - 45°-225° - - - 90°-270°





(END OF REPORT)