

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: P1050685

Luminaire Tested: 24PTR-20-PC3-L940-UNV-STD-W

Issue Date: 7/11/2025

Test Information

Test Method: LM-79-2019
Report Number: P1050685
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P737711)
Test Lab: INNOVATION CENTER
Issue Date: 7/11/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: 24PTR-20-PC3-L940-UNV-STD-W
Description: 2000 LUMEN 2X4 PERCEIVE PT TROFFER WITH 4000K, 90 CRI LEDS AND PARAMID LENS

Light Source:
Ballast/Driver: -

Summary

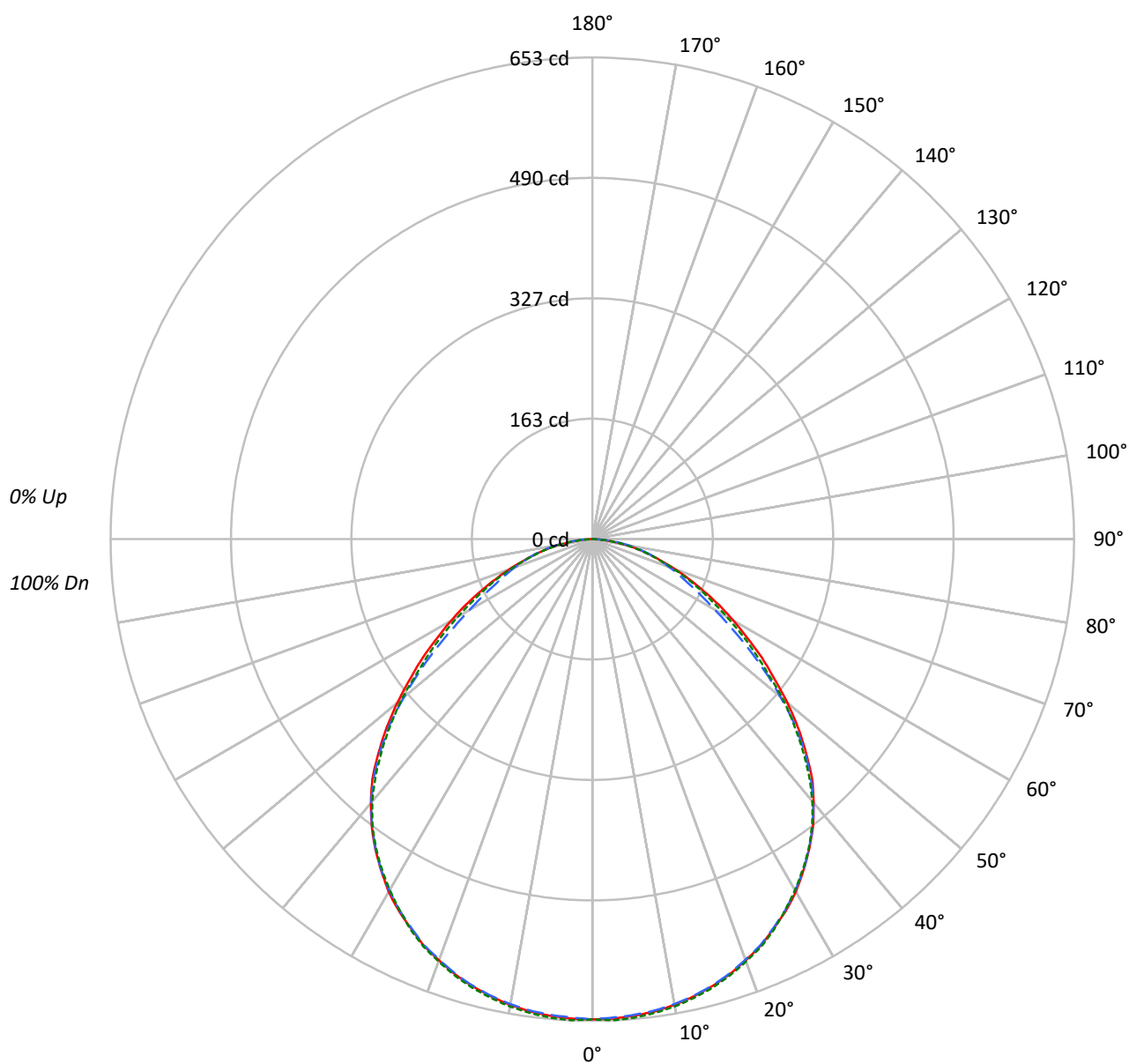
Lumens per Lamp: N/A
Luminaire Lumens: 1641.2 lumens
Efficiency: N/A
Efficacy: 109.4 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.25 / 1.34
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

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°	876	876	876
5°	876	875	880
10°	876	875	879
15°	874	873	877
20°	870	869	873
25°	864	863	866
30°	858	855	853
35°	842	841	840
40°	820	819	815
45°	780	774	766
50°	722	697	705
55°	659	605	632
60°	594	516	566
65°	531	462	509
70°	471	437	458
75°	416	424	408
80°	360	404	357
85°	269	320	269

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°

Vertical Angle: 45°

Luminance: 781 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	61.7	3.8
10°-20°	177.2	10.8
20°-30°	268.3	16.3
30°-40°	319.9	19.5
40°-50°	312.6	19.0
50°-60°	239.0	14.6
60°-70°	153.5	9.4
70°-80°	85.4	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°	507.3	30.9
0°-40°	827.2	50.4
0°-60°	1378.8	84.0
0°-90°	1641.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1641.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	651	651	651	651	651	
5°	649	649	648	651	651	62
15°	628	628	627	629	630	177
25°	582	583	581	583	584	268
35°	513	513	512	512	511	320
45°	410	411	407	406	403	315
55°	281	271	258	261	270	251
65°	167	154	145	150	160	166
75°	80	81	82	80	78	86
85°	17	20	21	20	17	21
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	651.0	651.0	651.0	651.0	651.0
2.5°	650.6	650.8	649.1	651.9	652.9
5°	648.7	649.1	647.5	650.6	651.2
7.5°	645.9	646.3	644.7	647.8	648.0
10°	641.3	641.5	640.1	643.1	643.5
12.5°	635.0	635.7	634.1	636.9	637.0
15°	627.5	628.0	626.8	628.9	629.6
17.5°	618.7	618.9	617.7	620.0	620.3
20°	607.7	607.7	606.7	609.4	609.4
22.5°	596.5	595.8	595.6	596.5	598.0
25°	582.1	582.8	581.2	583.1	583.5
27.5°	568.2	568.2	566.7	567.7	566.5
30°	552.1	551.2	550.2	550.4	549.3
32.5°	532.7	532.7	532.3	532.3	530.9
35°	512.8	513.2	512.3	512.0	511.3
37.5°	491.3	492.0	490.3	489.9	489.4
40°	466.8	466.8	466.1	465.2	464.0
42.5°	441.4	441.4	438.5	436.1	434.5
45°	409.8	410.7	406.8	405.8	402.6
47.5°	378.3	377.7	372.3	371.6	369.8
50°	344.8	340.9	333.2	335.3	337.0
52.5°	311.3	306.4	295.3	297.5	300.3
55°	280.8	271.1	258.0	261.2	269.6
57.5°	248.9	235.9	222.8	228.9	239.3
60°	220.7	206.1	191.9	198.4	210.5
62.5°	193.7	178.2	166.7	173.0	183.2
65°	166.7	153.9	145.1	149.9	160.0
67.5°	142.0	133.4	127.4	129.7	137.8
70°	119.7	114.3	111.1	111.8	116.4
72.5°	98.5	97.1	95.9	95.9	96.4
75°	80.1	80.8	81.5	80.4	78.5
77.5°	63.1	65.4	67.1	64.7	62.4
80°	46.4	50.1	52.2	49.6	46.1
82.5°	31.6	35.9	36.5	34.9	31.0
85°	17.4	20.5	20.7	20.1	17.4
87.5°	6.5	7.7	8.4	7.7	6.8
90°	0.0	0.0	0.0	0.0	0.0



— 0°-180° - - 45°-225° 90°-270°

(END OF REPORT)