

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: P1050663

Luminaire Tested: 24PTR-20-PC3-L930-UNV-STD-W

Issue Date: 7/11/2025

Test Information

Test Method: LM-79-2019
Report Number: P1050663
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-L930-UNV-STD-W
Description: 2000 LUMEN 2X4 PERCEIVE PT TROFFER WITH 3000K, 90 CRI LEDS AND PARAMID LENS

Light Source:
Ballast/Driver: -

Summary

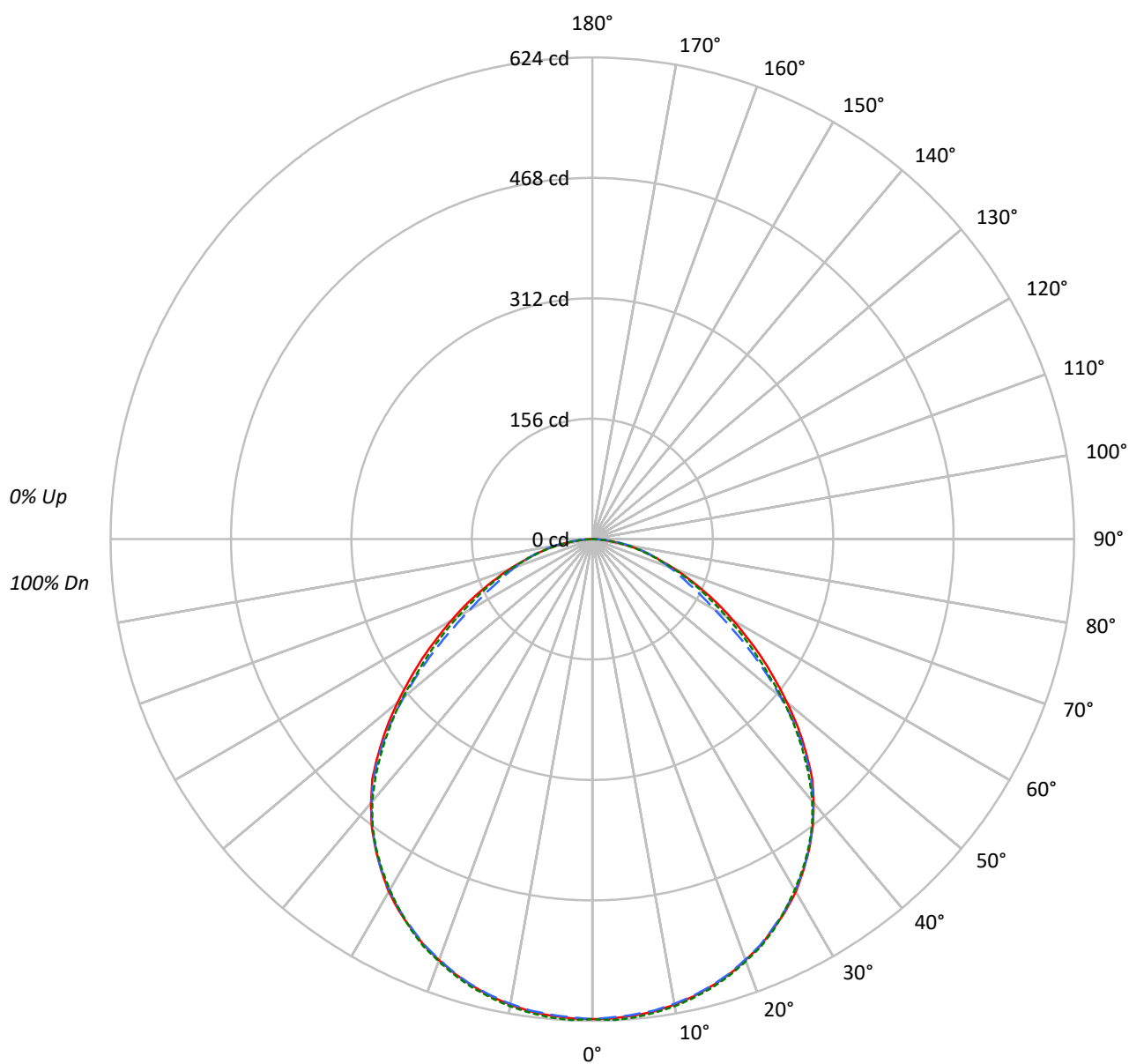
Lumens per Lamp: N/A
Luminaire Lumens: 1567.5 lumens
Efficiency: N/A
Efficacy: 104.5 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.25 / 1.34
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

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°	837	837	837
5°	837	835	840
10°	837	835	840
15°	835	834	838
20°	831	830	833
25°	825	824	827
30°	819	816	815
35°	804	804	802
40°	783	782	778
45°	745	739	732
50°	689	666	674
55°	629	578	604
60°	567	493	541
65°	507	441	486
70°	450	417	437
75°	398	404	390
80°	343	387	341
85°	256	306	256

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°

Vertical Angle: 45°

Luminance: 746 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	59.0	3.8
10°-20°	169.3	10.8
20°-30°	256.3	16.3
30°-40°	305.5	19.5
40°-50°	298.6	19.0
50°-60°	228.3	14.6
60°-70°	146.6	9.4
70°-80°	81.5	5.2
80°-90°	22.5	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°	484.5	30.9
0°-40°	790.1	50.4
0°-60°	1316.9	84.0
0°-90°	1567.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1567.5	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	622	622	622	622	622	
5°	620	620	618	621	622	59
15°	599	600	599	601	601	169
25°	556	557	555	557	557	256
35°	490	490	489	489	488	306
45°	391	392	388	388	384	301
55°	268	259	246	250	258	240
65°	159	147	139	143	153	159
75°	76	77	78	77	75	82
85°	17	20	20	19	17	20
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	621.8	621.8	621.8	621.8	621.8
2.5°	621.3	621.6	620.0	622.6	623.5
5°	619.6	620.0	618.4	621.3	622.0
7.5°	616.9	617.3	615.8	618.7	618.9
10°	612.5	612.7	611.3	614.2	614.6
12.5°	606.5	607.1	605.6	608.3	608.4
15°	599.3	599.8	598.6	600.7	601.3
17.5°	590.9	591.1	590.0	592.2	592.4
20°	580.4	580.4	579.5	582.0	582.0
22.5°	569.7	569.1	568.8	569.7	571.1
25°	556.0	556.6	555.1	556.9	557.3
27.5°	542.7	542.7	541.3	542.2	541.0
30°	527.3	526.4	525.5	525.7	524.6
32.5°	508.8	508.8	508.4	508.4	507.0
35°	489.7	490.1	489.2	489.0	488.4
37.5°	469.2	469.9	468.3	467.9	467.4
40°	445.9	445.9	445.2	444.3	443.2
42.5°	421.6	421.6	418.8	416.5	415.0
45°	391.4	392.3	388.5	387.6	384.5
47.5°	361.3	360.7	355.6	355.0	353.2
50°	329.3	325.5	318.3	320.2	321.8
52.5°	297.3	292.7	282.0	284.2	286.8
55°	268.2	258.9	246.4	249.5	257.5
57.5°	237.7	225.3	212.8	218.6	228.6
60°	210.8	196.8	183.3	189.5	201.0
62.5°	185.0	170.2	159.3	165.2	175.0
65°	159.3	147.0	138.6	143.2	152.8
67.5°	135.7	127.4	121.7	123.9	131.6
70°	114.3	109.2	106.1	106.7	111.2
72.5°	94.1	92.8	91.6	91.6	92.0
75°	76.5	77.2	77.8	76.8	75.0
77.5°	60.3	62.5	64.1	61.8	59.6
80°	44.3	47.8	49.9	47.3	44.0
82.5°	30.2	34.3	34.9	33.4	29.6
85°	16.6	19.6	19.8	19.1	16.6
87.5°	6.2	7.4	8.0	7.4	6.5
90°	0.0	0.0	0.0	0.0	0.0



— 0°-180° - - 45°-225° 90°-270°

(END OF REPORT)