

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: P1050740

Luminaire Tested: 24PTR-20-PL1-L930-UNV-STD-W

Issue Date: 7/11/2025

Test Information

Test Method: LM-79-2019
Report Number: P1050740
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P737719)
Test Lab: INNOVATION CENTER
Issue Date: 7/11/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: 24PTR-20-PL1-L930-UNV-STD-W
Description: 2000 LUMEN 2X4 PERCEIVE PT TROFFER WITH 3000K, 90 CRI LEDS AND LEAVES LENS

Light Source:
Ballast/Driver: -

Summary

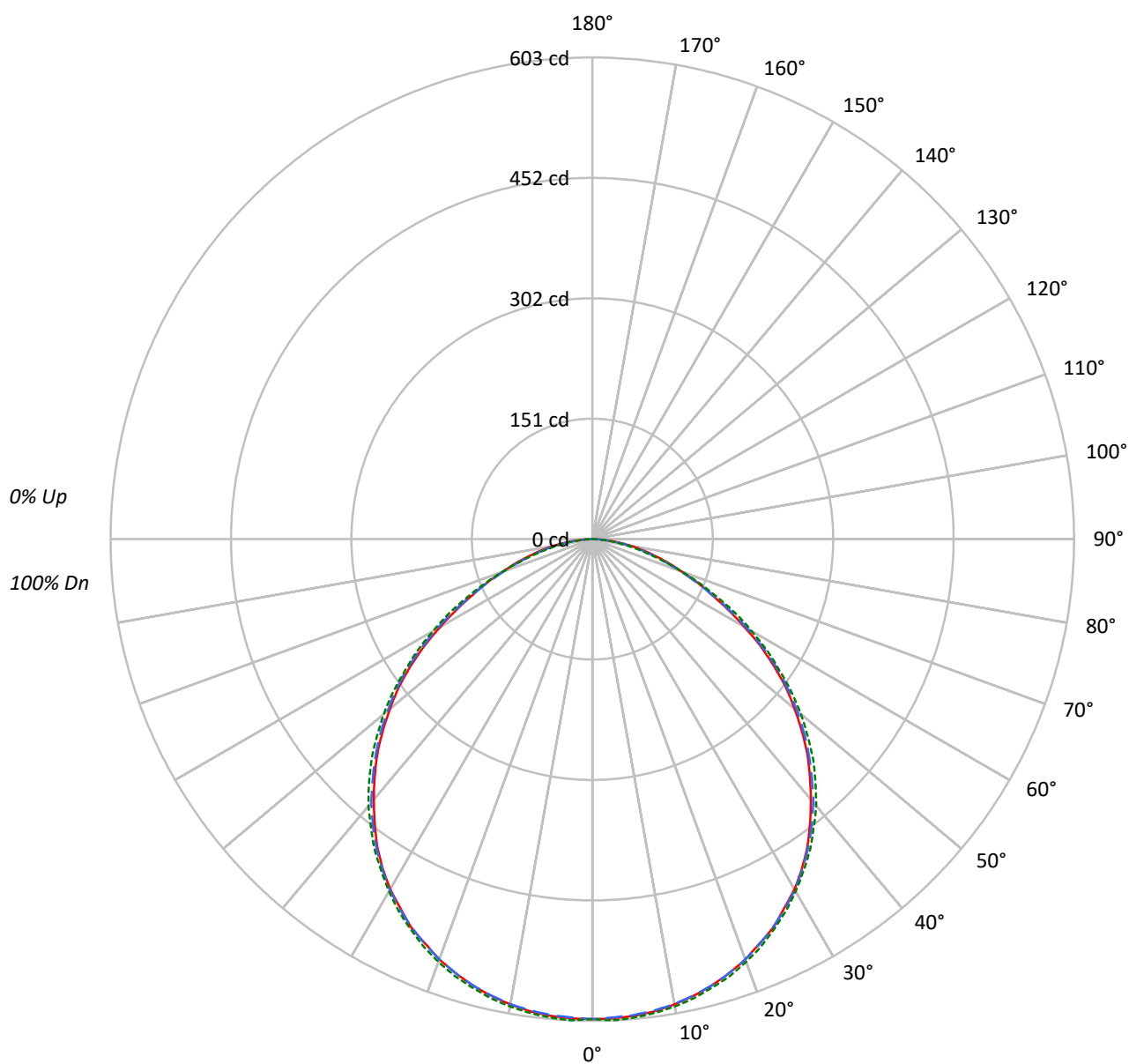
Lumens per Lamp: N/A
Luminaire Lumens: 1584.0 lumens
Efficiency: N/A
Efficacy: 105.6 lumens/watt
Spacing Criteria (0/90/45): 1.25 / 1.26 / 1.35
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

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	109	105	101	97	107	103	99	96	98	95	93	94	92	90	91	89	87	85		
2	100	92	86	80	97	90	84	79	87	82	77	83	79	75	80	77	74	72		
3	91	81	73	67	89	80	72	66	77	70	65	74	69	64	71	67	63	61		
4	84	72	64	57	82	71	63	57	68	61	56	66	60	55	64	59	55	52		
5	77	65	56	49	75	64	55	49	61	54	49	60	53	48	58	52	48	46		
6	71	58	50	43	69	57	49	43	56	48	43	54	47	42	52	47	42	40		
7	66	53	44	38	65	52	44	38	51	43	38	49	43	38	48	42	37	35		
8	62	48	40	34	60	48	40	34	46	39	34	45	39	34	44	38	34	32		
9	58	44	36	31	56	44	36	31	43	36	31	42	35	30	41	35	30	29		
10	54	41	33	28	53	41	33	28	40	33	28	39	32	28	38	32	28	26		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	809	809	809
5°	809	808	812
10°	808	807	812
15°	806	805	809
20°	802	802	806
25°	796	795	800
30°	786	787	791
35°	771	774	780
40°	747	756	766
45°	724	730	744
50°	692	700	713
55°	652	662	670
60°	591	604	619
65°	525	531	552
70°	469	460	471
75°	424	399	391
80°	385	357	317
85°	326	296	255

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°
Vertical Angle: 45°
Luminance: 744 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	57.0	3.6
10°-20°	163.5	10.3
20°-30°	247.3	15.6
30°-40°	294.8	18.6
40°-50°	296.4	18.7
50°-60°	251.6	15.9
60°-70°	167.5	10.6
70°-80°	83.6	5.3
80°-90°	22.4	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°	467.8	29.5
0°-40°	762.5	48.1
0°-60°	1310.5	82.7
0°-90°	1584.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1584.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	601	601	601	601	601	
5°	599	599	598	601	601	57
15°	578	579	578	581	581	163
25°	536	536	536	538	539	247
35°	470	470	471	475	475	293
45°	380	381	384	389	391	293
55°	278	280	282	285	286	248
65°	165	166	167	169	173	165
75°	82	80	77	75	75	87
85°	21	21	19	18	16	24
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	600.9	600.9	600.9	600.9	600.9
2.5°	600.4	600.9	599.3	602.2	602.9
5°	599.1	599.3	598.0	600.7	601.3
7.5°	596.2	596.5	595.1	598.0	598.4
10°	591.5	592.0	590.9	593.6	594.2
12.5°	585.6	586.2	585.1	588.0	588.5
15°	578.4	579.1	578.2	580.6	581.1
17.5°	569.7	570.2	569.7	572.0	573.3
20°	559.9	559.9	559.9	561.9	563.1
22.5°	547.7	548.8	548.3	551.0	552.1
25°	536.4	536.4	535.6	538.1	538.6
27.5°	520.5	522.3	522.1	524.3	524.8
30°	506.0	506.5	506.8	508.3	509.2
32.5°	488.5	488.9	489.6	491.8	492.0
35°	469.5	470.0	471.3	474.6	475.1
37.5°	447.5	450.0	451.1	454.7	455.1
40°	425.5	427.0	430.4	434.1	435.9
42.5°	403.0	404.7	406.8	411.9	413.5
45°	380.5	381.1	383.6	388.7	391.0
47.5°	355.6	357.6	359.8	364.2	365.6
50°	330.6	332.8	334.2	338.2	340.8
52.5°	305.5	307.5	309.0	311.5	314.1
55°	277.9	279.8	282.3	285.0	285.7
57.5°	249.8	252.0	253.6	256.5	259.4
60°	219.7	222.2	224.4	227.1	230.0
62.5°	191.7	192.8	195.0	199.5	203.7
65°	165.0	166.3	166.7	169.2	173.4
67.5°	142.7	142.7	140.7	141.6	146.3
70°	119.3	118.4	116.9	116.0	119.8
72.5°	100.4	99.3	95.9	94.4	96.4
75°	81.5	80.3	76.8	75.0	75.2
77.5°	65.4	63.7	60.8	57.7	57.0
80°	49.7	48.9	46.1	43.2	40.9
82.5°	35.2	33.7	32.0	30.3	28.5
85°	21.1	20.7	19.2	18.0	16.5
87.5°	8.7	8.7	8.3	7.8	7.4
90°	0.0	0.0	0.0	0.0	0.0



— 0°-180° - - 45°-225° 90°-270°

(END OF REPORT)