

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: P1192861

Luminaire Tested: 24PT-20-PB1-L930

Issue Date: 10/2/2025

Test Information

Test Method: LM-79-2019
Report Number: P1192861
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2202-549-7)
Test Lab: INNOVATION CENTER
Issue Date: 10/2/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: 24PT-20-PB1-L930
Description: 2000 LUMEN 2X4 PERCEIVE PT TROFFER WITH 3000K, 90 CRI LEDS AND BEVEL LENS
Light Source: -
Ballast/Driver: -

Summary

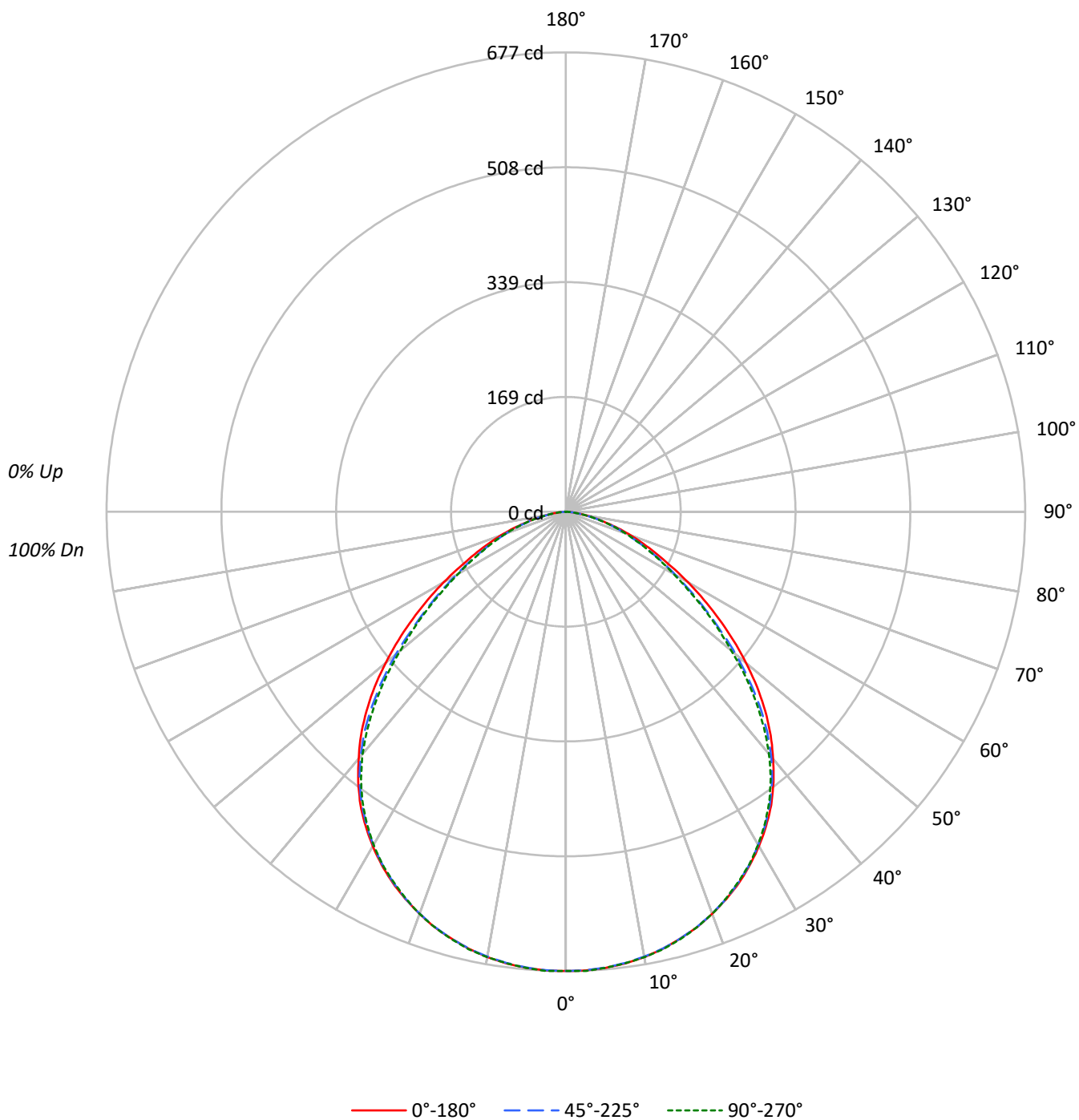
Lumens per Lamp: N/A
Luminaire Lumens: 1607.0 lumens
Efficiency: N/A
Efficacy: 107.1 lumens/watt
Spacing Criteria (0/90/45): 1.25 / 1.24 / 1.32
Luminous Opening: Rectangular (W 1.92' x L: 3.92' x H: 0')
CIE Type: Direct

Input Watts (W): 15
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
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
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102
1	110	106	102	99	108	104	100	97	100	97	94		96	93	91		92
2	101	94	88	83	99	92	86	82	88	84	80		85	81	78		82
3	93	83	76	70	91	82	75	69	79	73	68		76	71	67		74
4	86	75	66	60	83	73	66	60	71	64	59		69	63	58		66
5	79	67	59	53	77	66	58	52	64	57	52		62	56	51		60
6	73	61	52	46	71	60	52	46	58	51	46		56	50	45		55
7	68	55	47	41	66	55	47	41	53	46	41		52	45	40		50
8	64	51	43	37	62	50	42	37	49	42	37		47	41	36		46
9	59	47	39	33	58	46	38	33	45	38	33		44	38	33		43
10	56	43	35	30	55	43	35	30	42	35	30		41	34	30		40

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	968	968	968
5°	968	968	968
10°	968	967	968
15°	964	964	965
20°	960	959	960
25°	953	951	949
30°	940	937	936
35°	921	916	912
40°	887	879	870
45°	841	816	802
50°	772	728	708
55°	686	625	616
60°	595	534	525
65°	502	458	453
70°	426	392	395
75°	334	319	323
80°	244	240	241
85°	149	158	158

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 841 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	64.1	4.0
10°-20°	183.8	11.4
20°-30°	277.5	17.3
30°-40°	327.2	20.4
40°-50°	310.9	19.3
50°-60°	229.4	14.3
60°-70°	138.5	8.6
70°-80°	63.4	3.9
80°-90°	12.4	0.8
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°	525.4	32.7
0°-40°	852.6	53.1
0°-60°	1392.8	86.7
0°-90°	1607.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1607.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	677	677	677	677	677	
5°	675	675	674	674	675	64
15°	651	651	651	651	652	184
25°	604	603	602	601	602	278
35°	528	527	525	522	522	329
45°	416	413	404	398	397	319
55°	275	264	251	245	247	247
65°	148	143	135	133	134	149
75°	60	59	58	57	58	66
85°	9	9	10	9	10	12
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	676.7	676.7	676.7	676.7	676.7
2.5°	676.7	676.7	676.2	675.7	677.3
5°	674.6	674.9	674.1	673.5	674.6
7.5°	671.4	671.4	670.6	670.1	671.1
10°	666.4	666.4	665.8	665.6	666.6
12.5°	659.7	660.0	659.4	659.2	660.5
15°	651.2	651.4	651.2	650.9	652.0
17.5°	642.1	642.4	641.8	641.0	642.1
20°	630.6	631.2	630.1	629.6	630.6
22.5°	617.8	618.4	617.3	616.8	616.8
25°	603.7	603.4	602.4	601.3	601.6
27.5°	587.2	587.5	585.9	584.8	585.6
30°	569.3	569.6	567.2	566.4	566.7
32.5°	549.3	549.1	546.9	545.6	545.6
35°	527.8	527.0	524.6	522.4	522.4
37.5°	502.7	502.2	499.5	496.8	496.0
40°	475.2	474.7	470.7	467.2	465.9
42.5°	447.0	445.4	439.0	433.7	432.3
45°	415.8	412.9	403.5	397.9	396.6
47.5°	382.2	378.5	365.7	359.3	358.8
50°	346.8	340.1	327.3	319.0	318.0
52.5°	311.1	301.5	286.8	280.7	282.3
55°	275.3	264.1	250.8	245.0	247.1
57.5°	240.7	229.0	217.5	211.6	213.0
60°	207.9	197.8	186.8	182.0	183.6
62.5°	175.7	169.3	159.9	155.7	157.8
65°	148.2	143.4	135.4	132.7	133.8
67.5°	124.2	120.5	113.5	111.4	113.0
70°	101.8	99.2	93.8	93.0	94.4
72.5°	80.5	78.9	76.0	74.6	75.4
75°	60.5	59.4	57.8	57.0	58.4
77.5°	43.7	42.9	42.4	42.4	42.6
80°	29.6	29.3	29.1	28.8	29.3
82.5°	18.1	18.1	18.1	18.1	18.4
85°	9.1	9.3	9.6	9.3	9.6
87.5°	2.9	3.2	3.5	3.5	3.7
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)