

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: P1192862

Luminaire Tested: 24PT-20-PB1-L935

Issue Date: 10/2/2025

Test Information

Test Method: LM-79-2019
Report Number: P1192862
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-L935
Description: 2000 LUMEN 2X4 PERCEIVE PT TROFFER WITH 3500K, 90 CRI LEDS AND BEVEL LENS
Light Source: -
Ballast/Driver: -

Summary

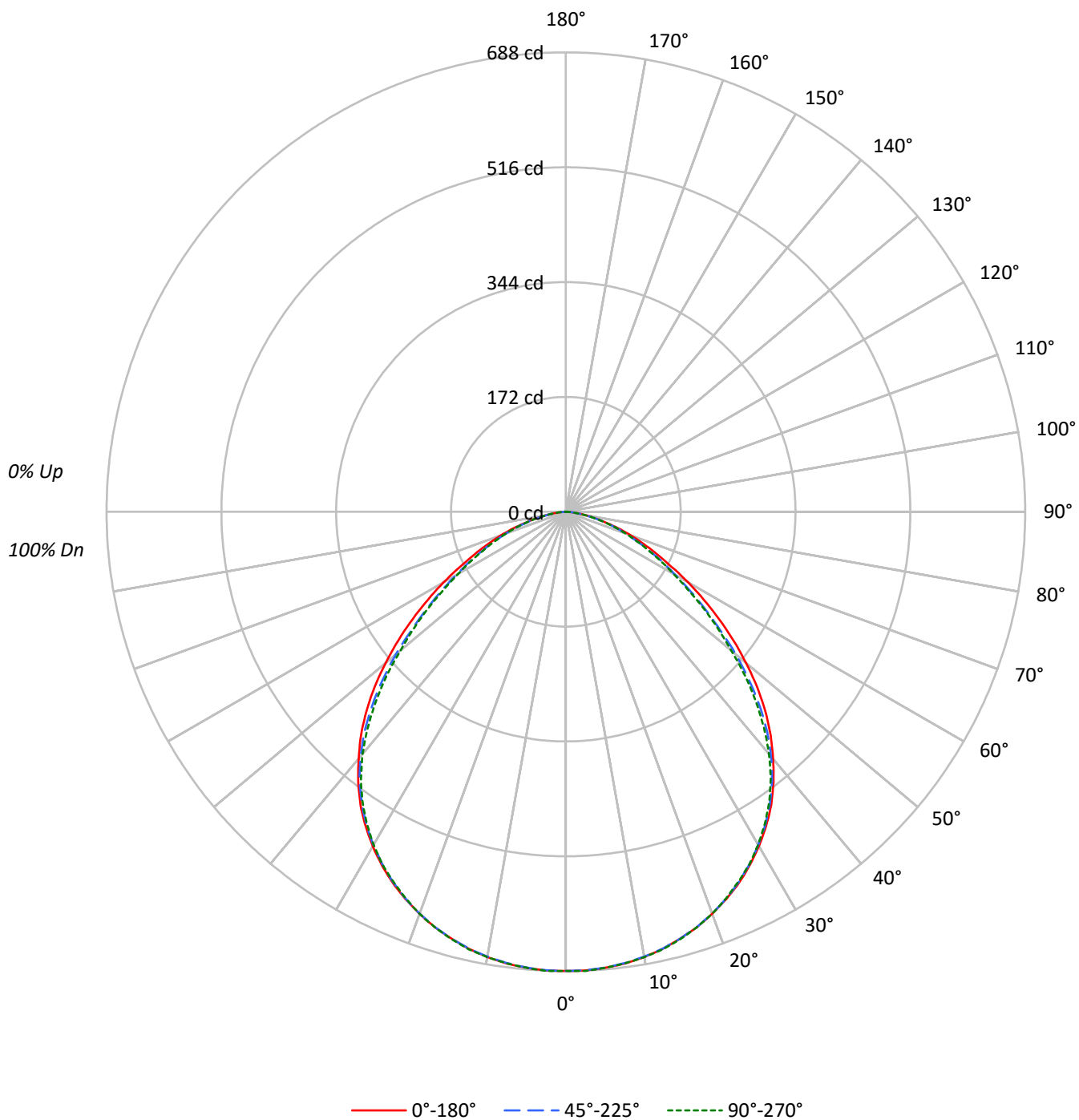
Lumens per Lamp: N/A
Luminaire Lumens: 1633.0 lumens
Efficiency: N/A
Efficacy: 108.9 lumens/watt
Spacing Criteria (0/90/45): 1.25 / 1.24 / 1.32
Luminous Opening: Rectangular (W 1.92' x L: 3.92' x H: 0')
CIE Type: Direct

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°	984	984	984
5°	984	983	984
10°	983	983	984
15°	980	980	981
20°	975	974	975
25°	968	966	965
30°	955	952	951
35°	936	931	927
40°	902	893	884
45°	855	829	815
50°	784	740	719
55°	698	636	626
60°	604	543	534
65°	510	466	460
70°	433	398	401
75°	340	325	328
80°	248	243	245
85°	151	161	161

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 855 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	65.1	4.0
10°-20°	186.8	11.4
20°-30°	282.0	17.3
30°-40°	332.5	20.4
40°-50°	315.9	19.3
50°-60°	233.1	14.3
60°-70°	140.7	8.6
70°-80°	64.4	3.9
80°-90°	12.6	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°	533.9	32.7
0°-40°	866.3	53.1
0°-60°	1415.3	86.7
0°-90°	1633.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1633.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	688	688	688	688	688	
5°	686	686	685	684	686	65
15°	662	662	662	661	662	187
25°	614	613	612	611	611	282
35°	536	536	533	531	531	334
45°	422	420	410	404	403	324
55°	280	268	255	249	251	251
65°	151	146	138	135	136	151
75°	62	60	59	58	59	67
85°	9	10	10	10	10	12
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	687.7	687.7	687.7	687.7	687.7
2.5°	687.7	687.7	687.2	686.6	688.2
5°	685.5	685.8	685.0	684.4	685.5
7.5°	682.3	682.3	681.5	680.9	682.0
10°	677.1	677.1	676.6	676.3	677.4
12.5°	670.4	670.6	670.1	669.8	671.2
15°	661.7	662.0	661.7	661.4	662.5
17.5°	652.5	652.8	652.2	651.4	652.5
20°	640.8	641.4	640.3	639.8	640.8
22.5°	627.8	628.4	627.3	626.8	626.8
25°	613.5	613.2	612.1	611.0	611.3
27.5°	596.7	597.0	595.3	594.3	595.1
30°	578.5	578.8	576.4	575.6	575.8
32.5°	558.2	558.0	555.8	554.4	554.4
35°	536.3	535.5	533.0	530.9	530.9
37.5°	510.8	510.3	507.6	504.9	504.1
40°	482.9	482.4	478.3	474.8	473.5
42.5°	454.2	452.6	446.1	440.7	439.3
45°	422.5	419.6	410.1	404.4	403.0
47.5°	388.4	384.6	371.6	365.1	364.6
50°	352.4	345.6	332.6	324.2	323.1
52.5°	316.1	306.3	291.4	285.2	286.8
55°	279.8	268.4	254.9	248.9	251.1
57.5°	244.6	232.7	221.0	215.1	216.4
60°	211.3	201.0	189.9	185.0	186.6
62.5°	178.5	172.0	162.5	158.2	160.3
65°	150.6	145.7	137.6	134.9	136.0
67.5°	126.2	122.4	115.4	113.2	114.8
70°	103.5	100.8	95.3	94.5	95.9
72.5°	81.8	80.2	77.2	75.8	76.7
75°	61.5	60.4	58.8	58.0	59.3
77.5°	44.4	43.6	43.1	43.1	43.3
80°	30.1	29.8	29.5	29.3	29.8
82.5°	18.4	18.4	18.4	18.4	18.7
85°	9.2	9.5	9.8	9.5	9.8
87.5°	3.0	3.3	3.5	3.5	3.8
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)