

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: P1192849

Luminaire Tested: 24PT-100-PB1-L830

Issue Date: 10/2/2025

Test Information

Test Method: LM-79-2019
Report Number: P1192849
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-100-PB1-L830
Description: 10000 LUMEN 2X4 PERCEIVE PT TROFFER WITH 3000K, 80 CRI LEDS AND BEVEL LENS
Light Source: -
Ballast/Driver: -

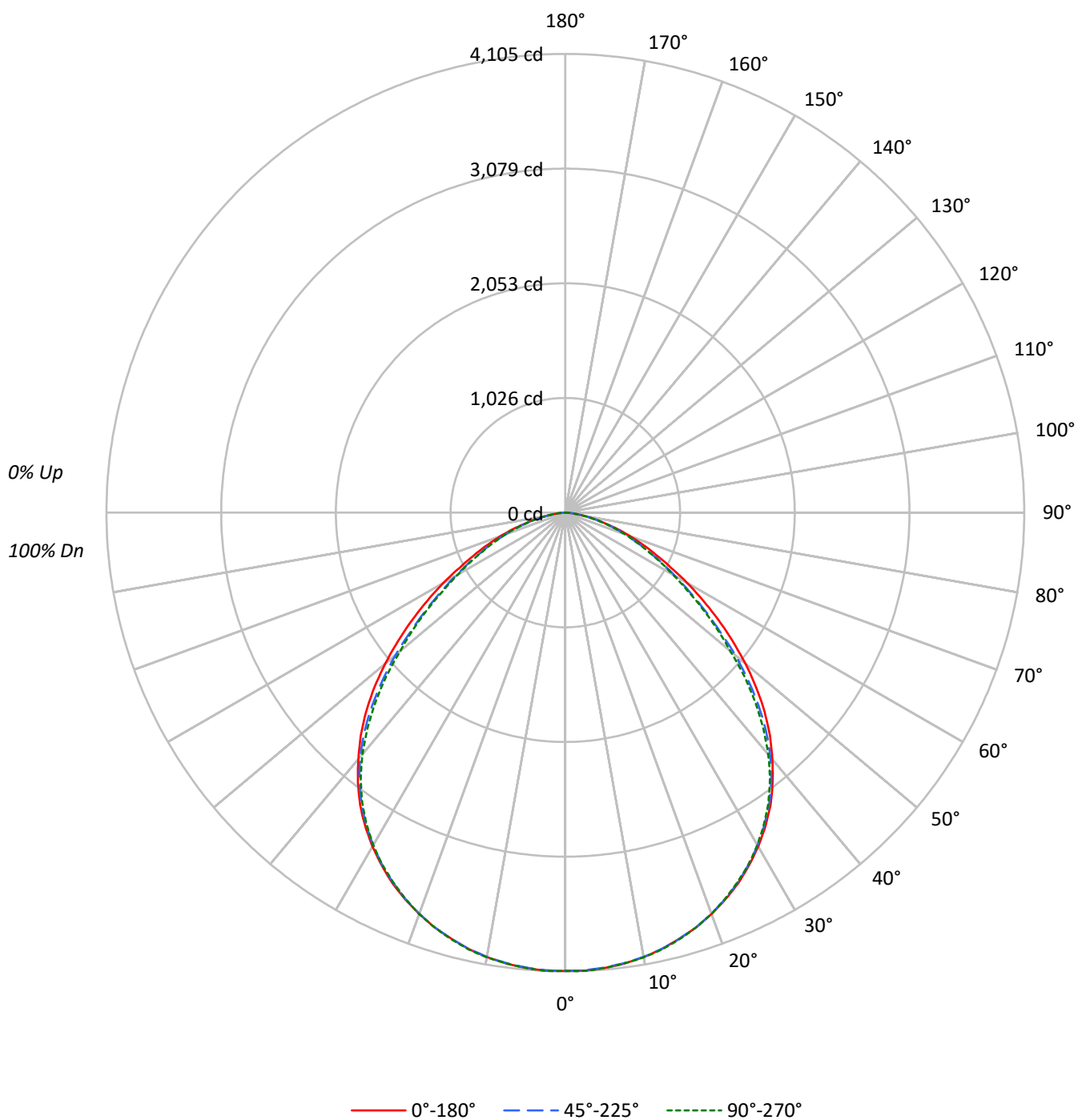
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9740.0 lumens
Efficiency: N/A
Efficacy: 114.6 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): 85
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

TEST NUMBER: P1192849
CATALOG NUMBER: 24PT-100-PB1-L830

Luminous Intensity Polar Plot



TEST NUMBER: P1192849

CATALOG NUMBER: 24PT-100-PB1-L830

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°	5866	5866	5866
5°	5870	5865	5870
10°	5865	5860	5868
15°	5844	5844	5851
20°	5817	5812	5817
25°	5774	5761	5754
30°	5698	5677	5672
35°	5585	5551	5528
40°	5378	5326	5272
45°	5097	4947	4862
50°	4676	4414	4288
55°	4161	3790	3734
60°	3604	3239	3184
65°	3040	2777	2744
70°	2580	2378	2391
75°	2026	1937	1955
80°	1477	1450	1464
85°	901	955	955

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 5097 cd/sqm

TEST NUMBER: P1192849

CATALOG NUMBER: 24PT-100-PB1-L830

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	388.5	4.0
10°-20°	1114.0	11.4
20°-30°	1681.7	17.3
30°-40°	1983.0	20.4
40°-50°	1884.1	19.3
50°-60°	1390.3	14.3
60°-70°	839.2	8.6
70°-80°	384.1	3.9
80°-90°	75.0	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°	3184.3	32.7
0°-40°	5167.3	53.1
0°-60°	8441.7	86.7
0°-90°	9740.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	9740.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	4102	4102	4102	4102	4102	
5°	4089	4090	4086	4082	4089	389
15°	3947	3948	3947	3945	3952	1114
25°	3659	3658	3651	3645	3646	1684
35°	3199	3194	3179	3166	3166	1994
45°	2520	2502	2446	2412	2404	1935
55°	1669	1601	1520	1485	1498	1494
65°	898	869	821	804	811	903
75°	367	360	351	346	354	400
85°	55	56	58	56	58	74
90°	0	0	0	0	0	

TEST NUMBER: P1192849

CATALOG NUMBER: 24PT-100-PB1-L830

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	4101.7	4101.7	4101.7	4101.7	4101.7
2.5°	4101.7	4101.7	4098.5	4095.3	4105.0
5°	4088.8	4090.4	4085.6	4082.4	4088.8
7.5°	4069.4	4069.4	4064.6	4061.4	4067.8
10°	4038.7	4038.7	4035.5	4033.9	4040.4
12.5°	3998.4	4000.0	3996.7	3995.1	4003.2
15°	3946.7	3948.3	3946.7	3945.0	3951.5
17.5°	3891.7	3893.4	3890.1	3885.3	3891.7
20°	3822.3	3825.5	3819.0	3815.8	3822.3
22.5°	3744.7	3748.0	3741.5	3738.3	3738.3
25°	3659.1	3657.5	3651.0	3644.6	3646.2
27.5°	3558.9	3560.6	3550.9	3544.4	3549.2
30°	3450.7	3452.3	3437.8	3432.9	3434.5
32.5°	3329.5	3327.9	3315.0	3306.9	3306.9
35°	3198.7	3193.8	3179.3	3166.4	3166.4
37.5°	3046.8	3043.6	3027.4	3011.3	3006.4
40°	2880.4	2877.2	2853.0	2832.0	2823.9
42.5°	2709.2	2699.5	2660.7	2628.4	2620.3
45°	2520.2	2502.4	2445.9	2411.9	2403.9
47.5°	2316.6	2294.0	2216.5	2177.7	2174.5
50°	2101.8	2061.4	1983.8	1933.8	1927.3
52.5°	1885.3	1827.1	1738.3	1701.1	1710.8
55°	1668.8	1601.0	1520.2	1484.6	1497.6
57.5°	1458.8	1387.7	1318.2	1282.7	1290.8
60°	1260.1	1198.7	1132.5	1103.4	1113.1
62.5°	1064.6	1025.8	969.3	943.5	956.4
65°	898.2	869.1	820.7	804.5	811.0
67.5°	752.8	730.2	688.2	675.3	685.0
70°	617.1	601.0	568.7	563.8	571.9
72.5°	487.9	478.2	460.4	452.3	457.2
75°	366.7	360.3	350.6	345.7	353.8
77.5°	264.9	260.1	256.9	256.9	258.5
80°	179.3	177.7	176.1	174.5	177.7
82.5°	109.9	109.9	109.9	109.9	111.5
85°	54.9	56.5	58.2	56.5	58.2
87.5°	17.8	19.4	21.0	21.0	22.6
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)