

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: P1192852

Luminaire Tested: 24PT-100-PB1-L850

Issue Date: 10/2/2025

Test Information

Test Method: LM-79-2019
Report Number: P1192852
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-L850
Description: 10000 LUMEN 2X4 PERCEIVE PT TROFFER WITH 5000K, 80 CRI LEDS AND BEVEL LENS
Light Source: -
Ballast/Driver: -

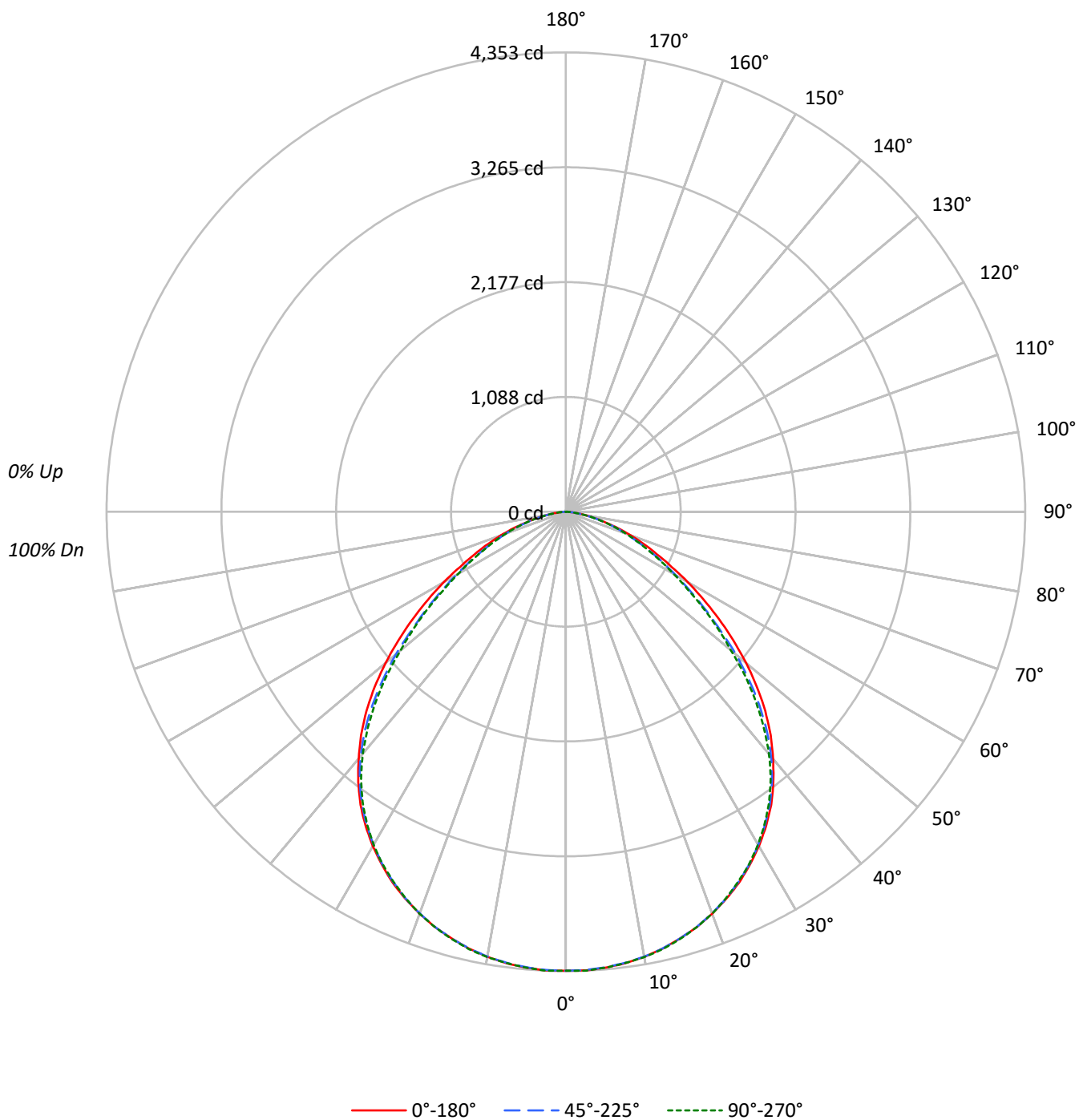
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10328.0 lumens
Efficiency: N/A
Efficacy: 121.5 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

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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°	6220	6220	6220
5°	6224	6219	6224
10°	6219	6214	6222
15°	6196	6196	6204
20°	6168	6163	6168
25°	6123	6109	6101
30°	6042	6020	6014
35°	5922	5886	5862
40°	5702	5648	5590
45°	5405	5245	5155
50°	4958	4680	4547
55°	4412	4019	3960
60°	3822	3435	3376
65°	3223	2945	2910
70°	2736	2521	2536
75°	2149	2054	2073
80°	1566	1538	1552
85°	955	1012	1012

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 5405 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	412.0	4.0
10°-20°	1181.3	11.4
20°-30°	1783.2	17.3
30°-40°	2102.7	20.4
40°-50°	1997.9	19.3
50°-60°	1474.2	14.3
60°-70°	889.8	8.6
70°-80°	407.3	3.9
80°-90°	79.5	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°	3376.5	32.7
0°-40°	5479.2	53.1
0°-60°	8951.4	86.7
0°-90°	10328.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	10328.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	4349	4349	4349	4349	4349	
5°	4336	4337	4332	4329	4336	412
15°	4185	4187	4185	4183	4190	1182
25°	3880	3878	3871	3865	3866	1786
35°	3392	3387	3371	3358	3358	2114
45°	2672	2654	2594	2558	2549	2052
55°	1770	1698	1612	1574	1588	1584
65°	952	922	870	853	860	957
75°	389	382	372	367	375	424
85°	58	60	62	60	62	78
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	4349.4	4349.4	4349.4	4349.4	4349.4
2.5°	4349.4	4349.4	4345.9	4342.5	4352.8
5°	4335.7	4337.4	4332.2	4328.8	4335.7
7.5°	4315.1	4315.1	4310.0	4306.5	4313.4
10°	4282.6	4282.6	4279.1	4277.4	4284.3
12.5°	4239.7	4241.5	4238.0	4236.3	4244.9
15°	4184.9	4186.6	4184.9	4183.2	4190.1
17.5°	4126.7	4128.4	4125.0	4119.8	4126.7
20°	4053.0	4056.4	4049.6	4046.2	4053.0
22.5°	3970.8	3974.2	3967.4	3963.9	3963.9
25°	3880.0	3878.3	3871.4	3864.6	3866.3
27.5°	3773.8	3775.5	3765.2	3758.4	3763.5
30°	3659.0	3660.7	3645.3	3640.2	3641.9
32.5°	3530.5	3528.8	3515.1	3506.6	3506.6
35°	3391.8	3386.7	3371.2	3357.5	3357.5
37.5°	3230.8	3227.3	3210.2	3193.1	3187.9
40°	3054.3	3050.9	3025.2	3002.9	2994.4
42.5°	2872.7	2862.5	2821.4	2787.1	2778.5
45°	2672.3	2653.5	2593.5	2557.5	2549.0
47.5°	2456.5	2432.5	2350.3	2309.2	2305.7
50°	2228.6	2185.8	2103.6	2050.5	2043.6
52.5°	1999.1	1937.4	1843.2	1803.8	1814.1
55°	1769.6	1697.6	1612.0	1574.3	1588.0
57.5°	1546.9	1471.5	1397.8	1360.1	1368.7
60°	1336.2	1271.1	1200.8	1170.0	1180.3
62.5°	1128.9	1087.8	1027.8	1000.4	1014.1
65°	952.4	921.6	870.2	853.1	859.9
67.5°	798.3	774.3	729.7	716.0	726.3
70°	654.4	637.2	603.0	597.8	606.4
72.5°	517.3	507.1	488.2	479.6	484.8
75°	388.9	382.0	371.7	366.6	375.2
77.5°	280.9	275.8	272.4	272.4	274.1
80°	190.1	188.4	186.7	185.0	188.4
82.5°	116.5	116.5	116.5	116.5	118.2
85°	58.2	60.0	61.7	60.0	61.7
87.5°	18.8	20.6	22.3	22.3	24.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)