

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: P1192850

Luminaire Tested: 24PT-100-PB1-L835

Issue Date: 10/2/2025

Test Information

Test Method: LM-79-2019
Report Number: P1192850
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-L835
Description: 10000 LUMEN 2X4 PERCEIVE PT TROFFER WITH 3500K, 80 CRI LEDS AND BEVEL LENS
Light Source: -
Ballast/Driver: -

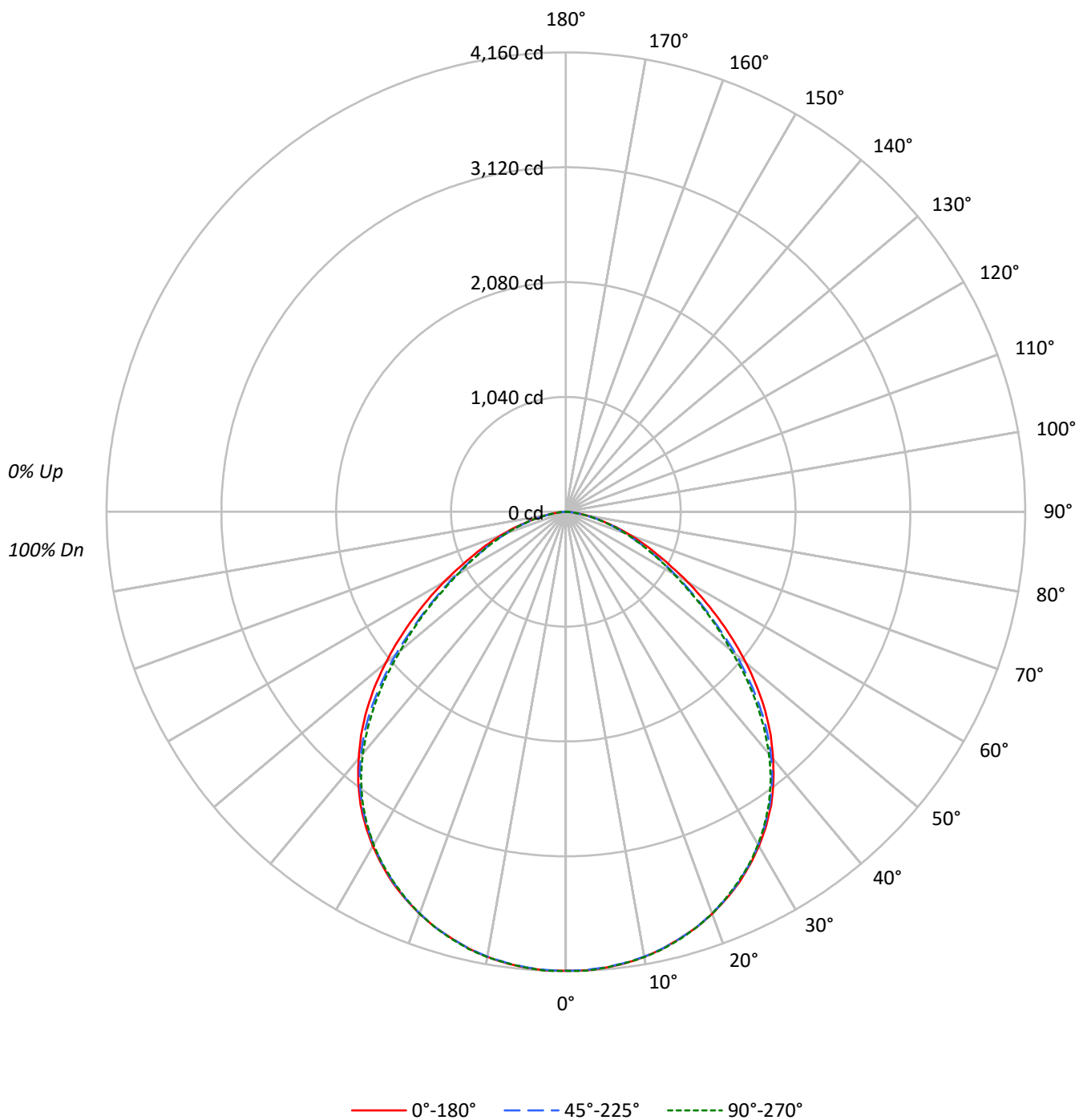
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9871.0 lumens
Efficiency: N/A
Efficacy: 116.1 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): 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: P1192850
CATALOG NUMBER: 24PT-100-PB1-L835

Luminous Intensity Polar Plot



TEST NUMBER: P1192850

CATALOG NUMBER: 24PT-100-PB1-L835

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20			
RC	80				70				50				30				10			0
RW	70	50	30	10	70	50	30	10	50	30	10		50	30	10		50	30	10	0
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102	102	102	100
1	110	106	102	99	108	104	100	97	100	97	94		96	93	91		92	90	89	87
2	101	94	88	83	99	92	86	82	88	84	80		85	81	78		82	79	76	74
3	93	83	76	70	91	82	75	69	79	73	68		76	71	67		74	70	66	64
4	86	75	66	60	83	73	66	60	71	64	59		69	63	58		66	62	58	55
5	79	67	59	53	77	66	58	52	64	57	52		62	56	51		60	55	51	49
6	73	61	52	46	71	60	52	46	58	51	46		56	50	45		55	49	45	43
7	68	55	47	41	66	55	47	41	53	46	41		52	45	40		50	45	40	38
8	64	51	43	37	62	50	42	37	49	42	37		47	41	36		46	41	36	34
9	59	47	39	33	58	46	38	33	45	38	33		44	38	33		43	37	33	31
10	56	43	35	30	55	43	35	30	42	35	30		41	34	30		40	34	30	28

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	5945	5945	5945
5°	5949	5944	5949
10°	5944	5939	5946
15°	5922	5922	5929
20°	5896	5891	5896
25°	5852	5839	5831
30°	5775	5753	5748
35°	5660	5625	5603
40°	5450	5398	5343
45°	5166	5013	4927
50°	4739	4473	4346
55°	4217	3841	3784
60°	3653	3283	3226
65°	3080	2815	2781
70°	2615	2410	2424
75°	2054	1963	1982
80°	1496	1470	1483
85°	914	967	967

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 5166 cd/sqm

TEST NUMBER: P1192850
CATALOG NUMBER: 24PT-100-PB1-L835

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	393.8	4.0
10°-20°	1129.0	11.4
20°-30°	1704.3	17.3
30°-40°	2009.7	20.4
40°-50°	1909.5	19.3
50°-60°	1409.0	14.3
60°-70°	850.5	8.6
70°-80°	389.3	3.9
80°-90°	76.0	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°	3227.1	32.7
0°-40°	5236.8	53.1
0°-60°	8555.3	86.7
0°-90°	9871.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	9871.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	4157	4157	4157	4157	4157	
5°	4144	4146	4140	4137	4144	394
15°	4000	4001	4000	3998	4005	1129
25°	3708	3707	3700	3694	3695	1707
35°	3242	3237	3222	3209	3209	2021
45°	2554	2536	2479	2444	2436	1961
55°	1691	1622	1541	1505	1518	1514
65°	910	881	832	815	822	915
75°	372	365	355	350	359	405
85°	56	57	59	57	59	75
90°	0	0	0	0	0	

TEST NUMBER: P1192850

CATALOG NUMBER: 24PT-100-PB1-L835

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	4156.9	4156.9	4156.9	4156.9	4156.9
2.5°	4156.9	4156.9	4153.6	4150.4	4160.2
5°	4143.8	4145.5	4140.5	4137.3	4143.8
7.5°	4124.2	4124.2	4119.3	4116.0	4122.5
10°	4093.1	4093.1	4089.8	4088.2	4094.7
12.5°	4052.1	4053.8	4050.5	4048.9	4057.0
15°	3999.7	4001.4	3999.7	3998.1	4004.7
17.5°	3944.1	3945.7	3942.4	3937.5	3944.1
20°	3873.7	3877.0	3870.4	3867.1	3873.7
22.5°	3795.1	3798.4	3791.8	3788.5	3788.5
25°	3708.3	3706.7	3700.1	3693.6	3695.2
27.5°	3606.8	3608.4	3598.6	3592.1	3597.0
30°	3497.1	3498.8	3484.0	3479.1	3480.7
32.5°	3374.3	3372.7	3359.6	3351.4	3351.4
35°	3241.7	3236.8	3222.1	3209.0	3209.0
37.5°	3087.8	3084.5	3068.2	3051.8	3046.9
40°	2919.2	2915.9	2891.3	2870.1	2861.9
42.5°	2745.6	2735.8	2696.5	2663.8	2655.6
45°	2554.1	2536.1	2478.8	2444.4	2436.2
47.5°	2347.8	2324.9	2246.3	2207.0	2203.7
50°	2130.0	2089.1	2010.5	1959.8	1953.2
52.5°	1910.6	1851.7	1761.7	1724.0	1733.8
55°	1691.3	1622.5	1540.6	1504.6	1517.7
57.5°	1478.4	1406.4	1336.0	1300.0	1308.1
60°	1277.0	1214.8	1147.7	1118.2	1128.0
62.5°	1078.9	1039.6	982.3	956.1	969.2
65°	910.3	880.8	831.7	815.3	821.9
67.5°	762.9	740.0	697.5	684.4	694.2
70°	625.4	609.0	576.3	571.4	579.6
72.5°	494.4	484.6	466.6	458.4	463.3
75°	371.7	365.1	355.3	350.4	358.6
77.5°	268.5	263.6	260.3	260.3	262.0
80°	181.7	180.1	178.5	176.8	180.1
82.5°	111.3	111.3	111.3	111.3	113.0
85°	55.7	57.3	58.9	57.3	58.9
87.5°	18.0	19.6	21.3	21.3	22.9
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)