

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: P1192923

Luminaire Tested: 24PT-80-PB1-L840

Issue Date: 10/2/2025

Test Information

Test Method: LM-79-2019
Report Number: P1192923
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-80-PB1-L840
Description: 8000 LUMEN 2X4 PERCEIVE PT TROFFER WITH 4000K, 80 CRI LEDS AND BEVEL LENS
Light Source: -
Ballast/Driver: -

Summary

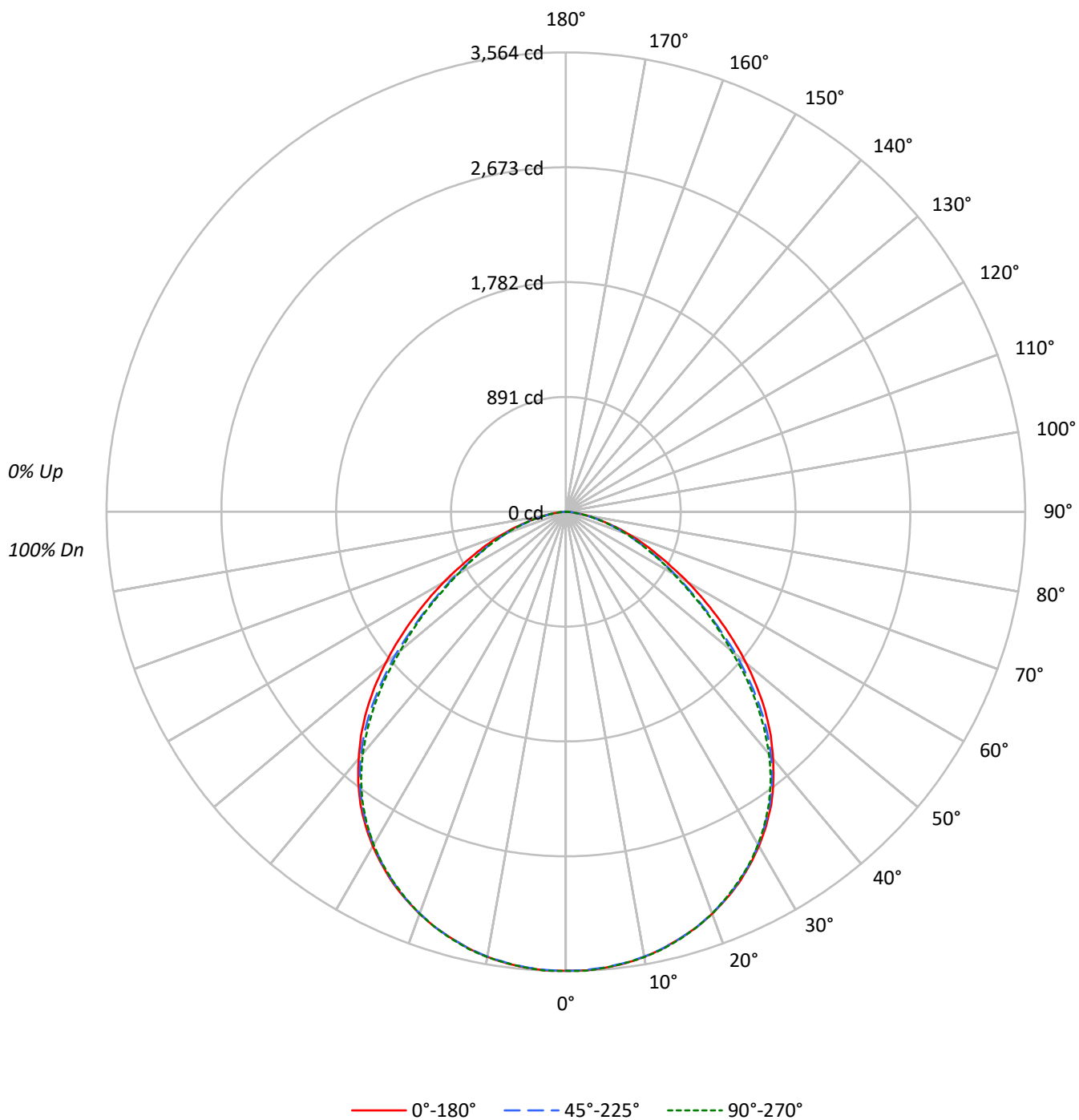
Lumens per Lamp: N/A
Luminaire Lumens: 8457.0 lumens
Efficiency: N/A
Efficacy: 124.4 lumens/watt
Spacing Criteria (0/90/45): 1.25 / 1.24 / 1.32
Luminous Opening: Rectangular (W 1.92' x L: 3.92' x H: 0')
CIE Type: Direct

Input Watts (W): 68
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°	5093	5093	5093
5°	5097	5093	5097
10°	5092	5088	5095
15°	5074	5074	5080
20°	5051	5047	5051
25°	5013	5002	4996
30°	4948	4929	4925
35°	4849	4820	4800
40°	4669	4625	4578
45°	4426	4295	4221
50°	4060	3832	3723
55°	3613	3291	3242
60°	3129	2813	2764
65°	2639	2411	2383
70°	2240	2064	2077
75°	1759	1682	1697
80°	1282	1259	1271
85°	783	829	829

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 4426 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	337.3	4.0
10°-20°	967.3	11.4
20°-30°	1460.2	17.3
30°-40°	1721.8	20.4
40°-50°	1635.9	19.3
50°-60°	1207.2	14.3
60°-70°	728.6	8.6
70°-80°	333.5	3.9
80°-90°	65.1	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°	2764.8	32.7
0°-40°	4486.6	53.1
0°-60°	7329.7	86.7
0°-90°	8457.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	8457.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3561	3561	3561	3561	3561	
5°	3550	3552	3547	3545	3550	338
15°	3427	3428	3427	3425	3431	967
25°	3177	3176	3170	3164	3166	1462
35°	2777	2773	2760	2749	2749	1731
45°	2188	2173	2124	2094	2087	1680
55°	1449	1390	1320	1289	1300	1297
65°	780	755	713	698	704	784
75°	318	313	304	300	307	347
85°	48	49	50	49	50	64
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3561.4	3561.4	3561.4	3561.4	3561.4
2.5°	3561.4	3561.4	3558.6	3555.8	3564.3
5°	3550.2	3551.6	3547.4	3544.6	3550.2
7.5°	3533.4	3533.4	3529.2	3526.4	3532.0
10°	3506.7	3506.7	3503.9	3502.5	3508.1
12.5°	3471.7	3473.1	3470.3	3468.9	3475.9
15°	3426.8	3428.2	3426.8	3425.4	3431.0
17.5°	3379.1	3380.5	3377.7	3373.5	3379.1
20°	3318.8	3321.6	3316.0	3313.2	3318.8
22.5°	3251.5	3254.3	3248.6	3245.8	3245.8
25°	3177.1	3175.7	3170.1	3164.5	3165.9
27.5°	3090.1	3091.5	3083.1	3077.5	3081.7
30°	2996.2	2997.6	2984.9	2980.7	2982.1
32.5°	2891.0	2889.6	2878.3	2871.3	2871.3
35°	2777.3	2773.1	2760.5	2749.3	2749.3
37.5°	2645.5	2642.7	2628.7	2614.6	2610.4
40°	2501.0	2498.2	2477.2	2458.9	2451.9
42.5°	2352.3	2343.9	2310.2	2282.2	2275.2
45°	2188.2	2172.8	2123.7	2094.2	2087.2
47.5°	2011.5	1991.8	1924.5	1890.8	1888.0
50°	1824.9	1789.8	1722.5	1679.0	1673.4
52.5°	1636.9	1586.5	1509.3	1477.0	1485.5
55°	1449.0	1390.1	1319.9	1289.1	1300.3
57.5°	1266.6	1204.9	1144.6	1113.7	1120.8
60°	1094.1	1040.8	983.3	958.0	966.5
62.5°	924.4	890.7	841.6	819.2	830.4
65°	779.9	754.7	712.6	698.5	704.2
67.5°	653.7	634.0	597.5	586.3	594.7
70°	535.8	521.8	493.7	489.5	496.6
72.5°	423.6	415.2	399.8	392.8	397.0
75°	318.4	312.8	304.4	300.2	307.2
77.5°	230.0	225.8	223.0	223.0	224.4
80°	155.7	154.3	152.9	151.5	154.3
82.5°	95.4	95.4	95.4	95.4	96.8
85°	47.7	49.1	50.5	49.1	50.5
87.5°	15.4	16.8	18.2	18.2	19.6
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)