

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: P1192924

Luminaire Tested: 24PT-80-PB1-L850

Issue Date: 10/2/2025

Test Information

Test Method: LM-79-2019
Report Number: P1192924
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-L850
Description: 8000 LUMEN 2X4 PERCEIVE PT TROFFER WITH 5000K, 80 CRI LEDS AND BEVEL LENS
Light Source: -
Ballast/Driver: -

Summary

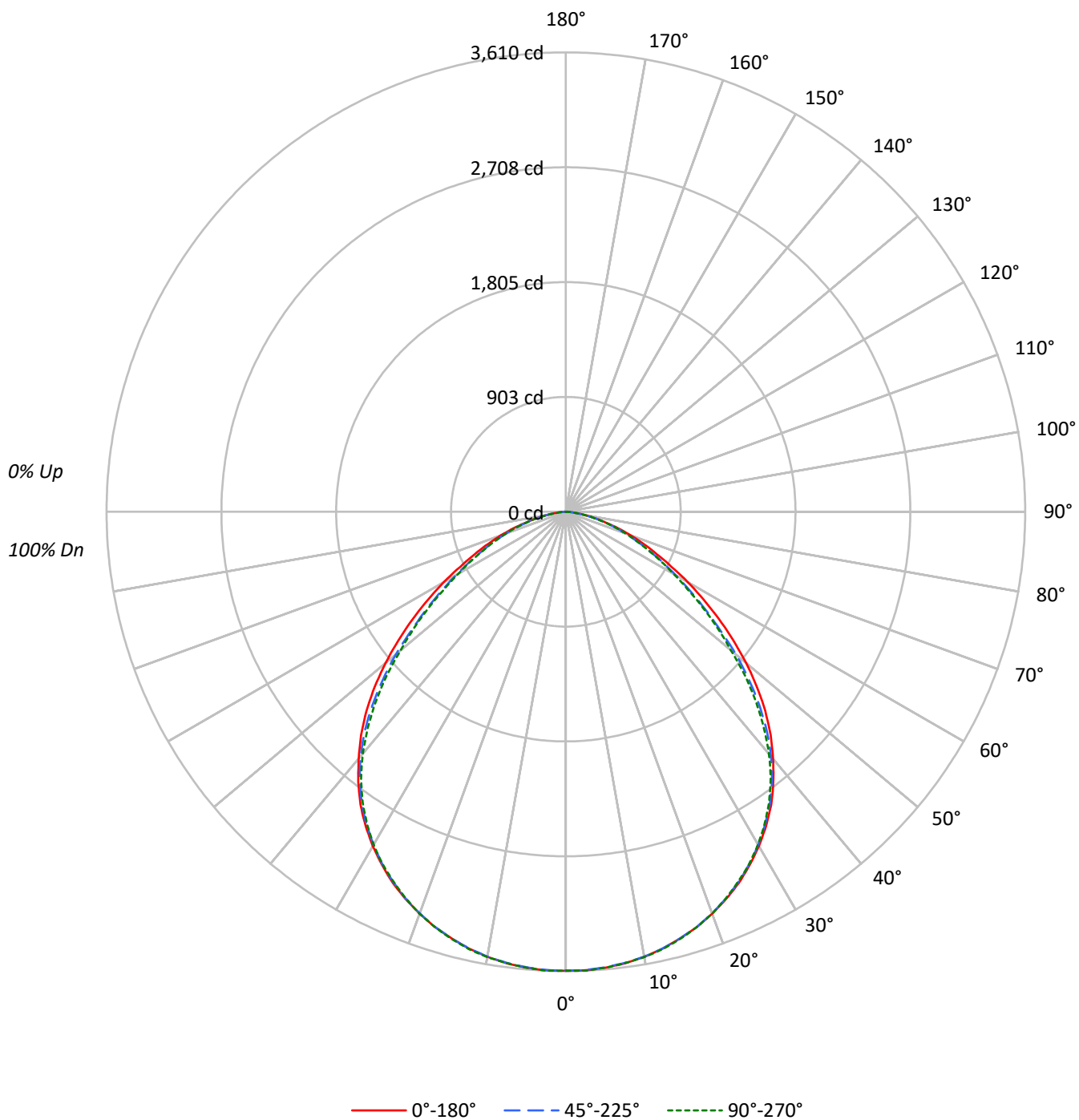
Lumens per Lamp: N/A
Luminaire Lumens: 8565.0 lumens
Efficiency: N/A
Efficacy: 126.0 lumens/watt
Spacing Criteria (0/90/45): 1.25 / 1.24 / 1.32
Luminous Opening: Rectangular (W 1.92' x L: 3.92' x H: 0')
CIE Type: Direct

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°	5158	5158	5158
5°	5162	5158	5162
10°	5158	5153	5160
15°	5139	5139	5145
20°	5116	5111	5116
25°	5078	5066	5060
30°	5011	4992	4988
35°	4911	4881	4861
40°	4729	4684	4636
45°	4482	4350	4275
50°	4112	3881	3771
55°	3659	3333	3284
60°	3170	2848	2800
65°	2673	2442	2413
70°	2269	2091	2103
75°	1782	1704	1719
80°	1299	1275	1287
85°	793	839	839

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 4482 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	341.7	4.0
10°-20°	979.7	11.4
20°-30°	1478.8	17.3
30°-40°	1743.8	20.4
40°-50°	1656.8	19.3
50°-60°	1222.6	14.3
60°-70°	738.0	8.6
70°-80°	337.8	3.9
80°-90°	65.9	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°	2800.1	32.7
0°-40°	4543.9	53.1
0°-60°	7423.4	86.7
0°-90°	8565.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	8565.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3607	3607	3607	3607	3607	
5°	3596	3597	3593	3590	3596	342
15°	3471	3472	3471	3469	3475	980
25°	3218	3216	3211	3205	3206	1481
35°	2813	2808	2796	2784	2784	1753
45°	2216	2200	2151	2121	2114	1702
55°	1468	1408	1337	1306	1317	1314
65°	790	764	722	708	713	794
75°	322	317	308	304	311	351
85°	48	50	51	50	51	65
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3606.9	3606.9	3606.9	3606.9	3606.9
2.5°	3606.9	3606.9	3604.1	3601.2	3609.8
5°	3595.6	3597.0	3592.7	3589.9	3595.6
7.5°	3578.5	3578.5	3574.3	3571.4	3577.1
10°	3551.5	3551.5	3548.7	3547.3	3552.9
12.5°	3516.0	3517.4	3514.6	3513.2	3520.3
15°	3470.6	3472.0	3470.6	3469.1	3474.8
17.5°	3422.2	3423.7	3420.8	3416.6	3422.2
20°	3361.2	3364.0	3358.3	3355.5	3361.2
22.5°	3293.0	3295.8	3290.1	3287.3	3287.3
25°	3217.7	3216.3	3210.6	3204.9	3206.3
27.5°	3129.6	3131.0	3122.5	3116.8	3121.1
30°	3034.4	3035.8	3023.1	3018.8	3020.2
32.5°	2927.9	2926.5	2915.1	2908.0	2908.0
35°	2812.8	2808.5	2795.8	2784.4	2784.4
37.5°	2679.3	2676.4	2662.2	2648.0	2643.8
40°	2532.9	2530.1	2508.8	2490.3	2483.2
42.5°	2382.4	2373.8	2339.7	2311.3	2304.2
45°	2216.2	2200.5	2150.8	2121.0	2113.9
47.5°	2037.2	2017.3	1949.1	1915.0	1912.1
50°	1848.2	1812.7	1744.5	1700.5	1694.8
52.5°	1657.9	1606.7	1528.6	1495.9	1504.4
55°	1467.5	1407.8	1336.8	1305.5	1316.9
57.5°	1282.8	1220.3	1159.2	1128.0	1135.1
60°	1108.1	1054.1	995.8	970.3	978.8
62.5°	936.2	902.1	852.4	829.6	841.0
65°	789.9	764.3	721.7	707.5	713.1
67.5°	662.0	642.1	605.2	593.8	602.3
70°	542.7	528.5	500.1	495.8	502.9
72.5°	429.0	420.5	404.9	397.8	402.0
75°	322.5	316.8	308.3	304.0	311.1
77.5°	233.0	228.7	225.9	225.9	227.3
80°	157.7	156.3	154.8	153.4	156.3
82.5°	96.6	96.6	96.6	96.6	98.0
85°	48.3	49.7	51.1	49.7	51.1
87.5°	15.6	17.0	18.5	18.5	19.9
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)