

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: P1192883

Luminaire Tested: 24PT-40-PB1-L840

Issue Date: 10/2/2025

Test Information

Test Method: LM-79-2019
Report Number: P1192883
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-40-PB1-L840
Description: 4000 LUMEN 2X4 PERCEIVE PT TROFFER WITH 4000K, 80 CRI LEDS AND BEVEL LENS
Light Source: -
Ballast/Driver: -

Summary

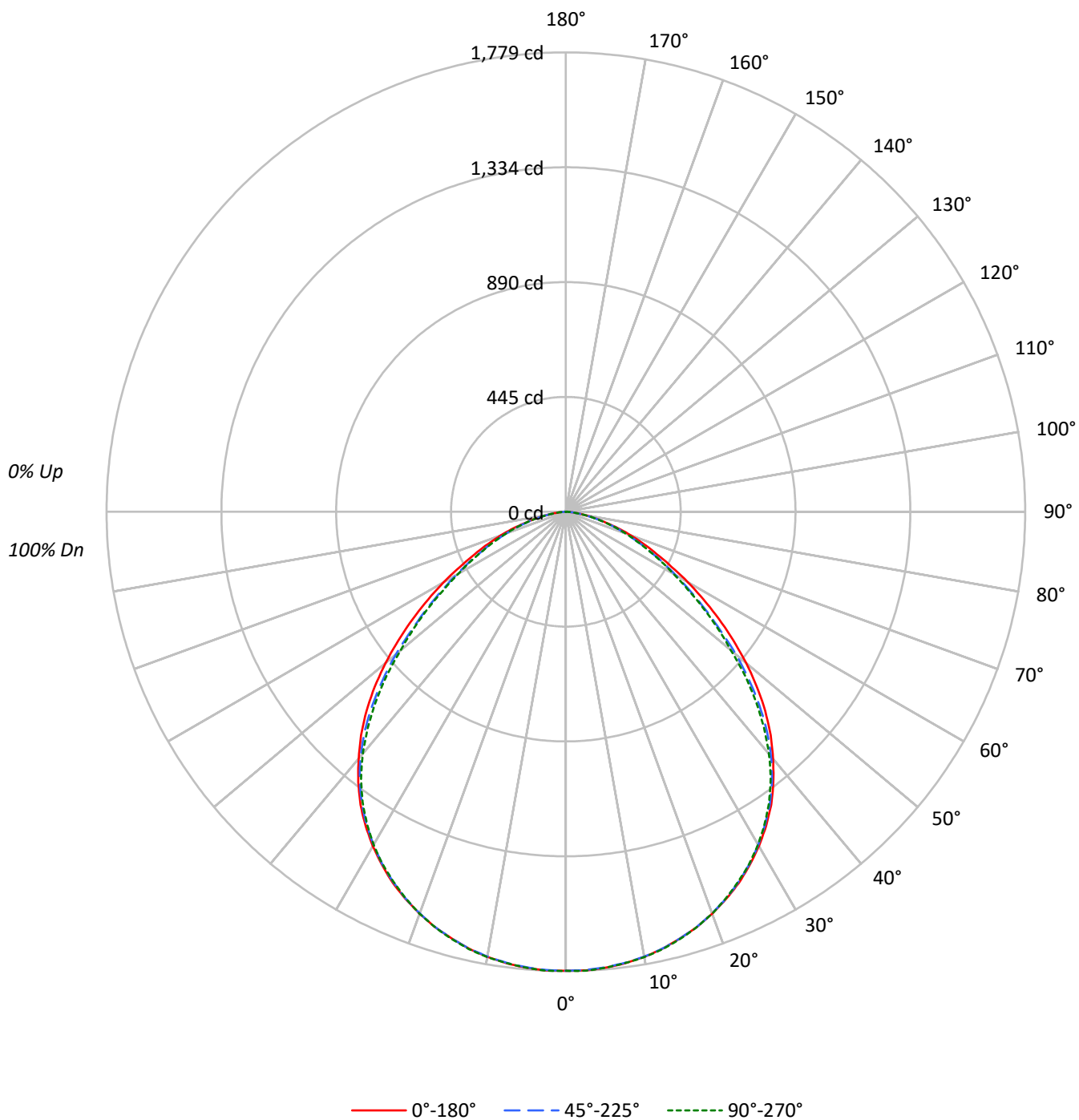
Lumens per Lamp: N/A
Luminaire Lumens: 4221.0 lumens
Efficiency: N/A
Efficacy: 127.9 lumens/watt
Spacing Criteria (0/90/45): 1.25 / 1.24 / 1.32
Luminous Opening: Rectangular (W 1.92' x L: 3.92' x H: 0')
CIE Type: Direct

Input Watts (W): 33
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°	2542	2542	2542
5°	2544	2542	2544
10°	2542	2540	2543
15°	2532	2532	2536
20°	2521	2519	2521
25°	2502	2497	2493
30°	2470	2460	2458
35°	2420	2405	2396
40°	2330	2308	2285
45°	2209	2144	2107
50°	2026	1913	1858
55°	1803	1643	1618
60°	1562	1404	1380
65°	1317	1204	1189
70°	1118	1030	1036
75°	878	839	847
80°	640	628	634
85°	391	414	414

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 2209 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	168.4	4.0
10°-20°	482.8	11.4
20°-30°	728.8	17.3
30°-40°	859.4	20.4
40°-50°	816.5	19.3
50°-60°	602.5	14.3
60°-70°	363.7	8.6
70°-80°	166.4	3.9
80°-90°	32.5	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°	1380.0	32.7
0°-40°	2239.3	53.1
0°-60°	3658.4	86.7
0°-90°	4221.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4221.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1778	1778	1778	1778	1778	
5°	1772	1773	1771	1769	1772	168
15°	1710	1711	1710	1710	1712	483
25°	1586	1585	1582	1579	1580	730
35°	1386	1384	1378	1372	1372	864
45°	1092	1084	1060	1045	1042	839
55°	723	694	659	643	649	647
65°	389	377	356	349	352	391
75°	159	156	152	150	153	173
85°	24	24	25	24	25	32
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1777.6	1777.6	1777.6	1777.6	1777.6
2.5°	1777.6	1777.6	1776.2	1774.8	1779.0
5°	1772.0	1772.7	1770.6	1769.2	1772.0
7.5°	1763.6	1763.6	1761.5	1760.1	1762.9
10°	1750.3	1750.3	1748.9	1748.2	1751.0
12.5°	1732.8	1733.5	1732.1	1731.4	1734.9
15°	1710.4	1711.1	1710.4	1709.7	1712.5
17.5°	1686.6	1687.3	1685.9	1683.8	1686.6
20°	1656.4	1657.8	1655.0	1653.6	1656.4
22.5°	1622.8	1624.2	1621.4	1620.0	1620.0
25°	1585.7	1585.0	1582.2	1579.4	1580.1
27.5°	1542.3	1543.0	1538.8	1536.0	1538.1
30°	1495.4	1496.1	1489.8	1487.7	1488.4
32.5°	1442.9	1442.2	1436.6	1433.1	1433.1
35°	1386.2	1384.1	1377.8	1372.2	1372.2
37.5°	1320.4	1319.0	1312.0	1305.0	1302.9
40°	1248.3	1246.9	1236.4	1227.3	1223.8
42.5°	1174.1	1169.9	1153.1	1139.1	1135.6
45°	1092.2	1084.5	1060.0	1045.3	1041.8
47.5°	1003.9	994.1	960.5	943.7	942.3
50°	910.8	893.3	859.7	838.0	835.2
52.5°	817.0	791.8	753.3	737.2	741.4
55°	723.2	693.8	658.8	643.4	649.0
57.5°	632.2	601.4	571.3	555.9	559.4
60°	546.1	519.5	490.8	478.2	482.4
62.5°	461.4	444.6	420.1	408.9	414.5
65°	389.3	376.7	355.7	348.7	351.5
67.5°	326.2	316.4	298.2	292.6	296.8
70°	267.4	260.4	246.4	244.3	247.8
72.5°	211.4	207.2	199.5	196.0	198.1
75°	158.9	156.1	151.9	149.8	153.3
77.5°	114.8	112.7	111.3	111.3	112.0
80°	77.7	77.0	76.3	75.6	77.0
82.5°	47.6	47.6	47.6	47.6	48.3
85°	23.8	24.5	25.2	24.5	25.2
87.5°	7.7	8.4	9.1	9.1	9.8
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)