

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: P1192884

Luminaire Tested: 24PT-40-PB1-L850

Issue Date: 10/2/2025

Test Information

Test Method: LM-79-2019
Report Number: P1192884
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-L850
Description: 4000 LUMEN 2X4 PERCEIVE PT TROFFER WITH 5000K, 80 CRI LEDS AND BEVEL LENS
Light Source: -
Ballast/Driver: -

Summary

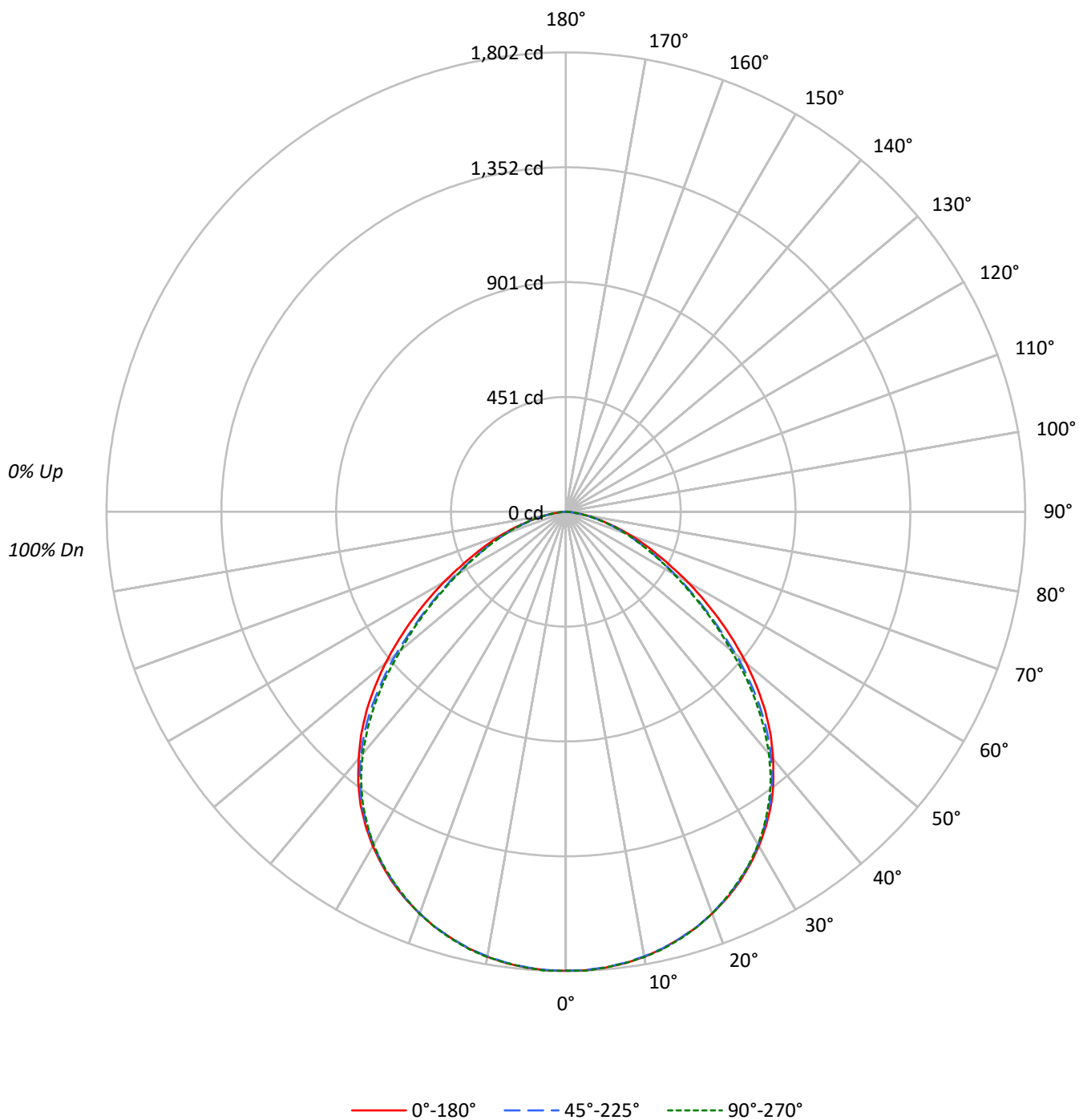
Lumens per Lamp: N/A
Luminaire Lumens: 4275.0 lumens
Efficiency: N/A
Efficacy: 129.5 lumens/watt
Spacing Criteria (0/90/45): 1.25 / 1.24 / 1.32
Luminous Opening: Rectangular (W 1.92' x L: 3.92' x H: 0')
CIE Type: Direct

Input Watts (W): 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°	2575	2575	2575
5°	2576	2574	2576
10°	2574	2572	2575
15°	2565	2565	2568
20°	2553	2551	2553
25°	2534	2529	2525
30°	2501	2492	2489
35°	2451	2436	2426
40°	2360	2338	2314
45°	2237	2171	2134
50°	2052	1937	1882
55°	1826	1664	1639
60°	1582	1422	1397
65°	1334	1219	1204
70°	1133	1044	1050
75°	890	850	858
80°	648	637	642
85°	395	418	418

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 45°
Luminance: 2237 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	170.5	4.0
10°-20°	489.0	11.4
20°-30°	738.1	17.3
30°-40°	870.4	20.4
40°-50°	827.0	19.3
50°-60°	610.2	14.3
60°-70°	368.3	8.6
70°-80°	168.6	3.9
80°-90°	32.9	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°	1397.6	32.7
0°-40°	2268.0	53.1
0°-60°	3705.2	86.7
0°-90°	4275.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4275.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1800	1800	1800	1800	1800	
5°	1795	1795	1793	1792	1795	171
15°	1732	1733	1732	1732	1734	489
25°	1606	1605	1602	1600	1600	739
35°	1404	1402	1395	1390	1390	875
45°	1106	1098	1074	1059	1055	849
55°	732	703	667	652	657	656
65°	394	382	360	353	356	396
75°	161	158	154	152	155	175
85°	24	25	26	25	26	32
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1800.3	1800.3	1800.3	1800.3	1800.3
2.5°	1800.3	1800.3	1798.9	1797.5	1801.7
5°	1794.6	1795.3	1793.2	1791.8	1794.6
7.5°	1786.1	1786.1	1784.0	1782.6	1785.4
10°	1772.7	1772.7	1771.2	1770.5	1773.4
12.5°	1754.9	1755.6	1754.2	1753.5	1757.1
15°	1732.2	1732.9	1732.2	1731.5	1734.4
17.5°	1708.1	1708.8	1707.4	1705.3	1708.1
20°	1677.6	1679.1	1676.2	1674.8	1677.6
22.5°	1643.6	1645.0	1642.2	1640.8	1640.8
25°	1606.0	1605.3	1602.5	1599.6	1600.4
27.5°	1562.1	1562.8	1558.5	1555.7	1557.8
30°	1514.6	1515.3	1508.9	1506.8	1507.5
32.5°	1461.4	1460.7	1455.0	1451.4	1451.4
35°	1403.9	1401.8	1395.4	1389.8	1389.8
37.5°	1337.3	1335.9	1328.8	1321.7	1319.6
40°	1264.3	1262.8	1252.2	1243.0	1239.4
42.5°	1189.1	1184.8	1167.8	1153.6	1150.1
45°	1106.1	1098.3	1073.5	1058.6	1055.1
47.5°	1016.8	1006.9	972.8	955.8	954.4
50°	922.5	904.8	870.7	848.7	845.9
52.5°	827.5	801.9	762.9	746.6	750.9
55°	732.5	702.7	667.2	651.6	657.3
57.5°	640.3	609.1	578.6	563.0	566.5
60°	553.1	526.1	497.1	484.3	488.5
62.5°	467.3	450.3	425.4	414.1	419.8
65°	394.2	381.5	360.2	353.1	355.9
67.5°	330.4	320.5	302.1	296.4	300.6
70°	270.9	263.8	249.6	247.5	251.0
72.5°	214.1	209.9	202.1	198.5	200.7
75°	161.0	158.1	153.9	151.7	155.3
77.5°	116.3	114.2	112.7	112.7	113.4
80°	78.7	78.0	77.3	76.6	78.0
82.5°	48.2	48.2	48.2	48.2	48.9
85°	24.1	24.8	25.5	24.8	25.5
87.5°	7.8	8.5	9.2	9.2	9.9
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)