

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: P1192881

Luminaire Tested: 24PT-40-PB1-L830

Issue Date: 10/2/2025

Test Information

Test Method: LM-79-2019
Report Number: P1192881
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-L830
Description: 4000 LUMEN 2X4 PERCEIVE PT TROFFER WITH 3000K, 80 CRI LEDS AND BEVEL LENS
Light Source: -
Ballast/Driver: -

Summary

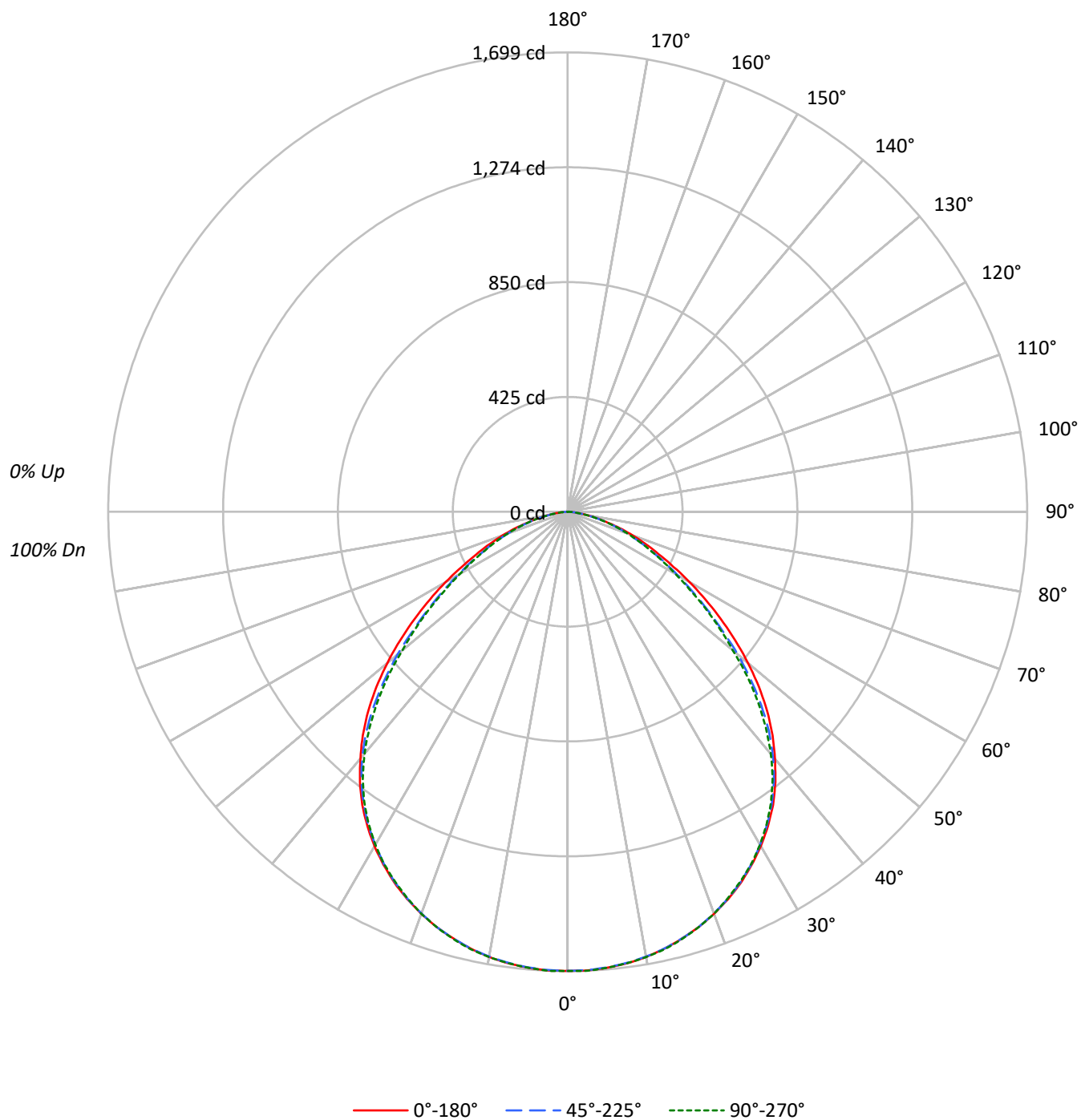
Lumens per Lamp: N/A
Luminaire Lumens: 4032.0 lumens
Efficiency: N/A
Efficacy: 122.2 lumens/watt
Spacing Criteria (0/90/45): 1.25 / 1.24 / 1.32
Luminous Opening: Rectangular (W 1.92' x L: 3.92' x H: 0')
CIE Type: Direct

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°	2428	2428	2428
5°	2430	2428	2430
10°	2428	2426	2429
15°	2419	2419	2422
20°	2408	2406	2408
25°	2390	2385	2382
30°	2359	2350	2348
35°	2312	2298	2289
40°	2226	2205	2182
45°	2110	2048	2013
50°	1936	1827	1775
55°	1722	1569	1546
60°	1492	1341	1318
65°	1258	1150	1136
70°	1068	984	990
75°	839	802	810
80°	611	600	606
85°	372	395	395

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 2110 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	160.8	4.0
10°-20°	461.2	11.4
20°-30°	696.2	17.3
30°-40°	820.9	20.4
40°-50°	780.0	19.3
50°-60°	575.5	14.3
60°-70°	347.4	8.6
70°-80°	159.0	3.9
80°-90°	31.0	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°	1318.2	32.7
0°-40°	2139.1	53.1
0°-60°	3494.6	86.7
0°-90°	4032.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4032.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1698	1698	1698	1698	1698	
5°	1693	1693	1691	1690	1693	161
15°	1634	1634	1634	1633	1636	461
25°	1515	1514	1511	1509	1509	697
35°	1324	1322	1316	1311	1311	825
45°	1043	1036	1012	998	995	801
55°	691	663	629	615	620	618
65°	372	360	340	333	336	374
75°	152	149	145	143	146	165
85°	23	23	24	23	24	31
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1698.0	1698.0	1698.0	1698.0	1698.0
2.5°	1698.0	1698.0	1696.6	1695.3	1699.3
5°	1692.6	1693.3	1691.3	1689.9	1692.6
7.5°	1684.6	1684.6	1682.6	1681.3	1683.9
10°	1671.9	1671.9	1670.6	1669.9	1672.6
12.5°	1655.2	1655.8	1654.5	1653.8	1657.2
15°	1633.8	1634.4	1633.8	1633.1	1635.8
17.5°	1611.0	1611.7	1610.4	1608.4	1611.0
20°	1582.3	1583.6	1580.9	1579.6	1582.3
22.5°	1550.2	1551.5	1548.8	1547.5	1547.5
25°	1514.7	1514.1	1511.4	1508.7	1509.4
27.5°	1473.3	1473.9	1469.9	1467.3	1469.3
30°	1428.5	1429.1	1423.1	1421.1	1421.8
32.5°	1378.3	1377.6	1372.3	1368.9	1368.9
35°	1324.1	1322.1	1316.1	1310.8	1310.8
37.5°	1261.3	1259.9	1253.2	1246.6	1244.6
40°	1192.4	1191.1	1181.0	1172.3	1169.0
42.5°	1121.5	1117.5	1101.4	1088.1	1084.7
45°	1043.3	1035.9	1012.5	998.5	995.1
47.5°	959.0	949.6	917.5	901.5	900.1
50°	870.1	853.3	821.2	800.5	797.8
52.5°	780.4	756.4	719.6	704.2	708.2
55°	690.8	662.7	629.3	614.6	619.9
57.5°	603.9	574.5	545.7	531.0	534.3
60°	521.6	496.2	468.8	456.8	460.8
62.5°	440.7	424.7	401.3	390.6	395.9
65°	371.8	359.8	339.7	333.0	335.7
67.5°	311.6	302.3	284.9	279.5	283.6
70°	255.5	248.8	235.4	233.4	236.7
72.5°	202.0	198.0	190.6	187.3	189.3
75°	151.8	149.1	145.1	143.1	146.5
77.5°	109.7	107.7	106.3	106.3	107.0
80°	74.2	73.6	72.9	72.2	73.6
82.5°	45.5	45.5	45.5	45.5	46.1
85°	22.7	23.4	24.1	23.4	24.1
87.5°	7.4	8.0	8.7	8.7	9.4
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)