

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: P1192886

Luminaire Tested: 24PT-40-PB1-L935

Issue Date: 10/2/2025

Test Information

Test Method: LM-79-2019
Report Number: P1192886
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-L935
Description: 4000 LUMEN 2X4 PERCEIVE PT TROFFER WITH 3500K, 90 CRI LEDS AND BEVEL LENS
Light Source: -
Ballast/Driver: -

Summary

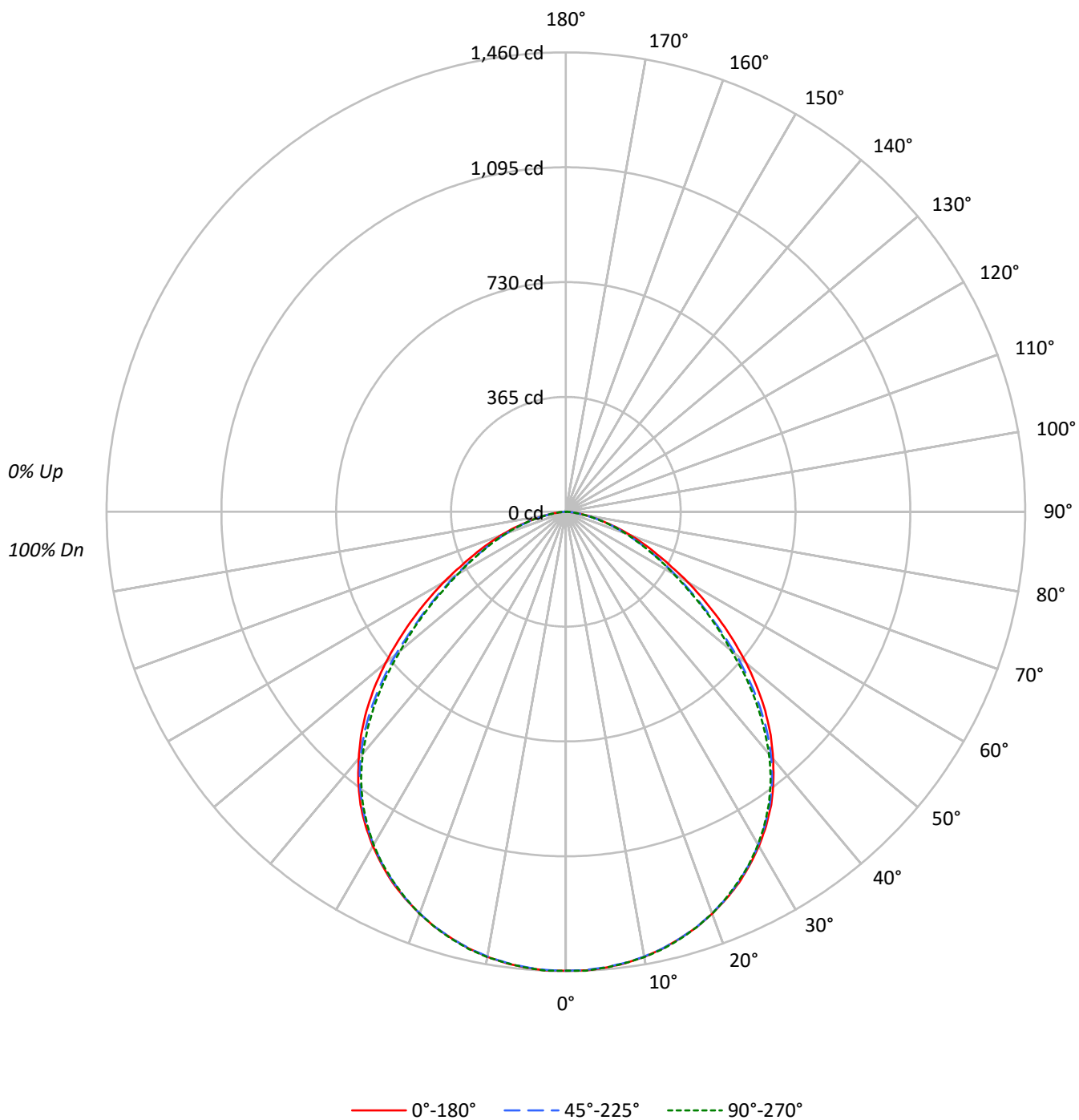
Lumens per Lamp: N/A
Luminaire Lumens: 3464.0 lumens
Efficiency: N/A
Efficacy: 105.0 lumens/watt
Spacing Criteria (0/90/45): 1.25 / 1.24 / 1.32
Luminous Opening: Rectangular (W 1.92' x L: 3.92' x H: 0')
CIE Type: Direct

Input Watts (W): 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°	2086	2086	2086
5°	2088	2086	2088
10°	2086	2084	2087
15°	2078	2078	2081
20°	2069	2067	2069
25°	2053	2049	2046
30°	2027	2019	2017
35°	1986	1974	1966
40°	1912	1894	1875
45°	1813	1759	1729
50°	1663	1570	1525
55°	1480	1348	1328
60°	1282	1152	1132
65°	1081	988	976
70°	918	845	851
75°	721	689	695
80°	525	516	521
85°	320	340	340

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 1813 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	138.2	4.0
10°-20°	396.2	11.4
20°-30°	598.1	17.3
30°-40°	705.3	20.4
40°-50°	670.1	19.3
50°-60°	494.5	14.3
60°-70°	298.4	8.6
70°-80°	136.6	3.9
80°-90°	26.7	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°	1132.5	32.7
0°-40°	1837.7	53.1
0°-60°	3002.3	86.7
0°-90°	3464.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3464.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1459	1459	1459	1459	1459	
5°	1454	1455	1453	1452	1454	138
15°	1404	1404	1404	1403	1405	396
25°	1301	1301	1298	1296	1297	599
35°	1138	1136	1131	1126	1126	709
45°	896	890	870	858	855	688
55°	594	569	541	528	533	531
65°	319	309	292	286	288	321
75°	130	128	125	123	126	142
85°	20	20	21	20	21	26
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1458.8	1458.8	1458.8	1458.8	1458.8
2.5°	1458.8	1458.8	1457.6	1456.5	1459.9
5°	1454.2	1454.8	1453.0	1451.9	1454.2
7.5°	1447.3	1447.3	1445.6	1444.4	1446.7
10°	1436.4	1436.4	1435.2	1434.6	1436.9
12.5°	1422.0	1422.6	1421.4	1420.9	1423.7
15°	1403.6	1404.2	1403.6	1403.0	1405.3
17.5°	1384.1	1384.7	1383.5	1381.8	1384.1
20°	1359.4	1360.5	1358.2	1357.1	1359.4
22.5°	1331.8	1332.9	1330.7	1329.5	1329.5
25°	1301.3	1300.8	1298.5	1296.2	1296.8
27.5°	1265.7	1266.3	1262.9	1260.6	1262.3
30°	1227.2	1227.8	1222.6	1220.9	1221.5
32.5°	1184.1	1183.6	1179.0	1176.1	1176.1
35°	1137.6	1135.9	1130.7	1126.1	1126.1
37.5°	1083.6	1082.4	1076.7	1071.0	1069.2
40°	1024.4	1023.3	1014.6	1007.2	1004.3
42.5°	963.5	960.1	946.3	934.8	931.9
45°	896.3	890.0	869.9	857.8	854.9
47.5°	823.9	815.9	788.3	774.5	773.3
50°	747.5	733.1	705.5	687.7	685.4
52.5°	670.5	649.8	618.2	605.0	608.4
55°	593.5	569.4	540.6	528.0	532.6
57.5°	518.8	493.5	468.8	456.2	459.1
60°	448.1	426.3	402.8	392.4	395.9
62.5°	378.6	364.8	344.7	335.5	340.1
65°	319.4	309.1	291.9	286.1	288.4
67.5°	267.7	259.7	244.8	240.2	243.6
70°	219.5	213.7	202.2	200.5	203.4
72.5°	173.5	170.1	163.7	160.9	162.6
75°	130.4	128.1	124.7	123.0	125.8
77.5°	94.2	92.5	91.4	91.4	91.9
80°	63.8	63.2	62.6	62.1	63.2
82.5°	39.1	39.1	39.1	39.1	39.6
85°	19.5	20.1	20.7	20.1	20.7
87.5°	6.3	6.9	7.5	7.5	8.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)