

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: P1192893

Luminaire Tested: 24PT-45-PB1-L930

Issue Date: 10/2/2025

Test Information

Test Method: LM-79-2019
Report Number: P1192893
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-45-PB1-L930
Description: 4500 LUMEN 2X4 PERCEIVE PT TROFFER WITH 3000K, 90 CRI LEDS AND BEVEL LENS
Light Source: -
Ballast/Driver: -

Summary

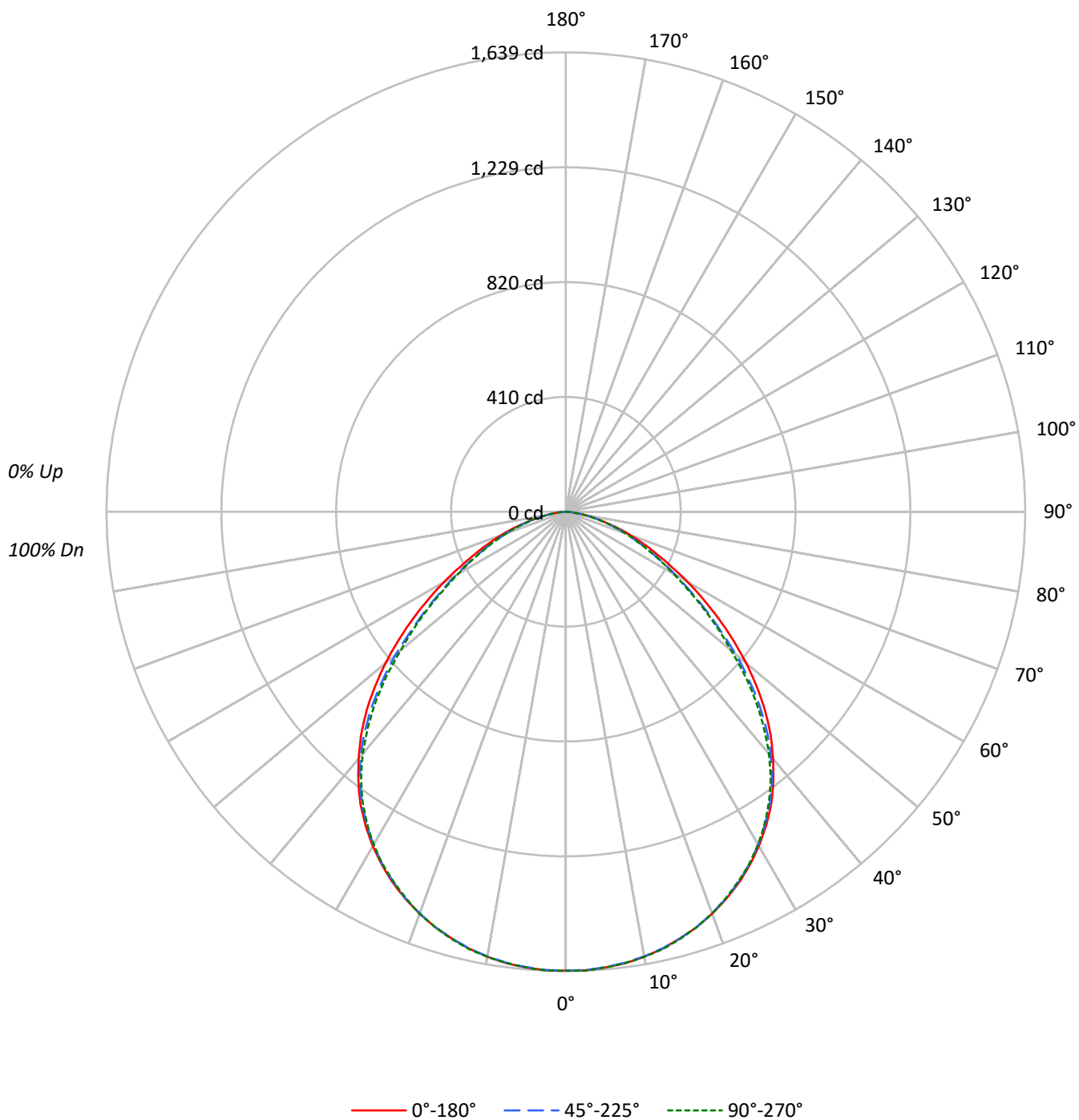
Lumens per Lamp: N/A
Luminaire Lumens: 3888.0 lumens
Efficiency: N/A
Efficacy: 105.1 lumens/watt
Spacing Criteria (0/90/45): 1.25 / 1.24 / 1.32
Luminous Opening: Rectangular (W 1.92' x L: 3.92' x H: 0')
CIE Type: Direct

Input Watts (W): 37
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

TEST NUMBER: P1192893

CATALOG NUMBER: 24PT-45-PB1-L930

Luminous Intensity Polar Plot



TEST NUMBER: P1192893

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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°	2342	2342	2342
5°	2343	2341	2343
10°	2341	2339	2342
15°	2333	2333	2336
20°	2322	2320	2322
25°	2305	2300	2297
30°	2275	2266	2264
35°	2229	2216	2207
40°	2147	2126	2104
45°	2035	1975	1941
50°	1867	1762	1712
55°	1661	1513	1491
60°	1439	1293	1271
65°	1213	1109	1095
70°	1030	949	955
75°	809	773	780
80°	590	579	584
85°	359	381	381

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 2035 cd/sqm

TEST NUMBER: P1192893

CATALOG NUMBER: 24PT-45-PB1-L930

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	155.1	4.0
10°-20°	444.7	11.4
20°-30°	671.3	17.3
30°-40°	791.6	20.4
40°-50°	752.1	19.3
50°-60°	555.0	14.3
60°-70°	335.0	8.6
70°-80°	153.3	3.9
80°-90°	29.9	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°	1271.1	32.7
0°-40°	2062.7	53.1
0°-60°	3369.8	86.7
0°-90°	3888.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3888.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1637	1637	1637	1637	1637	
5°	1632	1633	1631	1630	1632	155
15°	1575	1576	1575	1575	1577	445
25°	1461	1460	1457	1455	1456	672
35°	1277	1275	1269	1264	1264	796
45°	1006	999	976	963	960	772
55°	666	639	607	593	598	596
65°	358	347	328	321	324	360
75°	146	144	140	138	141	160
85°	22	23	23	23	23	30
90°	0	0	0	0	0	

TEST NUMBER: P1192893

CATALOG NUMBER: 24PT-45-PB1-L930

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1637.3	1637.3	1637.3	1637.3	1637.3
2.5°	1637.3	1637.3	1636.0	1634.8	1638.6
5°	1632.2	1632.8	1630.9	1629.6	1632.2
7.5°	1624.4	1624.4	1622.5	1621.2	1623.8
10°	1612.2	1612.2	1610.9	1610.2	1612.8
12.5°	1596.1	1596.7	1595.4	1594.8	1598.0
15°	1575.4	1576.1	1575.4	1574.8	1577.4
17.5°	1553.5	1554.1	1552.9	1550.9	1553.5
20°	1525.8	1527.1	1524.5	1523.2	1525.8
22.5°	1494.8	1496.1	1493.5	1492.2	1492.2
25°	1460.6	1460.0	1457.4	1454.8	1455.5
27.5°	1420.7	1421.3	1417.4	1414.9	1416.8
30°	1377.4	1378.1	1372.3	1370.4	1371.0
32.5°	1329.1	1328.4	1323.3	1320.1	1320.1
35°	1276.8	1274.9	1269.1	1263.9	1263.9
37.5°	1216.2	1214.9	1208.5	1202.0	1200.1
40°	1149.8	1148.5	1138.8	1130.5	1127.2
42.5°	1081.5	1077.6	1062.1	1049.2	1046.0
45°	1006.0	998.9	976.3	962.8	959.6
47.5°	924.7	915.7	884.8	869.3	868.0
50°	839.0	822.9	791.9	771.9	769.3
52.5°	752.6	729.4	693.9	679.1	682.9
55°	666.2	639.1	606.8	592.6	597.8
57.5°	582.3	553.9	526.2	512.0	515.3
60°	503.0	478.5	452.1	440.4	444.3
62.5°	425.0	409.5	386.9	376.6	381.8
65°	358.5	346.9	327.6	321.1	323.7
67.5°	300.5	291.5	274.7	269.6	273.4
70°	246.3	239.9	227.0	225.1	228.3
72.5°	194.8	190.9	183.8	180.6	182.5
75°	146.4	143.8	139.9	138.0	141.2
77.5°	105.8	103.8	102.5	102.5	103.2
80°	71.6	70.9	70.3	69.6	70.9
82.5°	43.9	43.9	43.9	43.9	44.5
85°	21.9	22.6	23.2	22.6	23.2
87.5°	7.1	7.7	8.4	8.4	9.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)