

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: P1192885

Luminaire Tested: 24PT-40-PB1-L930

Issue Date: 10/2/2025

Test Information

Test Method: LM-79-2019
Report Number: P1192885
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-L930
Description: 4000 LUMEN 2X4 PERCEIVE PT TROFFER WITH 3000K, 90 CRI LEDS AND BEVEL LENS
Light Source: -
Ballast/Driver: -

Summary

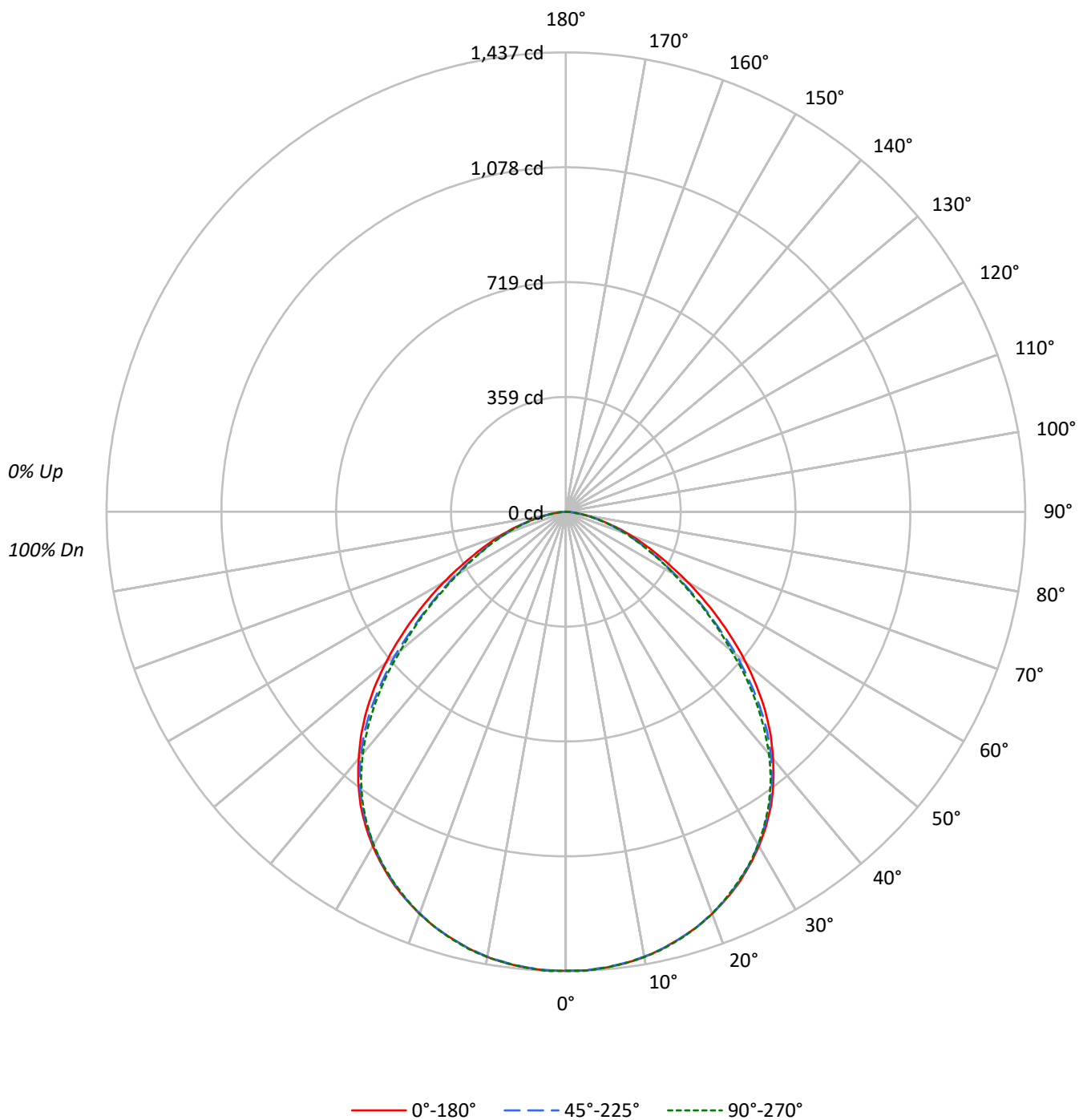
Lumens per Lamp: N/A
Luminaire Lumens: 3410.0 lumens
Efficiency: N/A
Efficacy: 103.3 lumens/watt
Spacing Criteria (0/90/45): 1.25 / 1.24 / 1.32
Luminous Opening: Rectangular (W 1.92' x L: 3.92' x H: 0')
CIE Type: Direct

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°	2054	2054	2054
5°	2055	2054	2055
10°	2053	2052	2054
15°	2046	2046	2048
20°	2037	2035	2037
25°	2022	2017	2014
30°	1995	1988	1986
35°	1955	1943	1936
40°	1883	1865	1846
45°	1784	1732	1702
50°	1637	1545	1501
55°	1457	1327	1307
60°	1262	1134	1115
65°	1064	972	961
70°	904	833	837
75°	709	678	685
80°	517	507	512
85°	315	335	335

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 1784 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	136.0	4.0
10°-20°	390.0	11.4
20°-30°	588.8	17.3
30°-40°	694.3	20.4
40°-50°	659.6	19.3
50°-60°	486.8	14.3
60°-70°	293.8	8.6
70°-80°	134.5	3.9
80°-90°	26.3	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°	1114.8	32.7
0°-40°	1809.1	53.1
0°-60°	2955.5	86.7
0°-90°	3410.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3410.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1436	1436	1436	1436	1436	
5°	1432	1432	1430	1429	1432	136
15°	1382	1382	1382	1381	1383	390
25°	1281	1280	1278	1276	1276	590
35°	1120	1118	1113	1109	1109	698
45°	882	876	856	844	842	677
55°	584	560	532	520	524	523
65°	314	304	287	282	284	316
75°	128	126	123	121	124	140
85°	19	20	20	20	20	26
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1436.0	1436.0	1436.0	1436.0	1436.0
2.5°	1436.0	1436.0	1434.9	1433.8	1437.2
5°	1431.5	1432.1	1430.4	1429.2	1431.5
7.5°	1424.7	1424.7	1423.0	1421.9	1424.2
10°	1414.0	1414.0	1412.8	1412.3	1414.5
12.5°	1399.8	1400.4	1399.3	1398.7	1401.5
15°	1381.7	1382.3	1381.7	1381.2	1383.4
17.5°	1362.5	1363.1	1361.9	1360.2	1362.5
20°	1338.2	1339.3	1337.1	1335.9	1338.2
22.5°	1311.0	1312.2	1309.9	1308.8	1308.8
25°	1281.1	1280.5	1278.2	1276.0	1276.5
27.5°	1246.0	1246.6	1243.2	1240.9	1242.6
30°	1208.1	1208.7	1203.6	1201.9	1202.4
32.5°	1165.7	1165.1	1160.6	1157.8	1157.8
35°	1119.9	1118.2	1113.1	1108.6	1108.6
37.5°	1066.7	1065.6	1059.9	1054.3	1052.6
40°	1008.4	1007.3	998.8	991.5	988.7
42.5°	948.5	945.1	931.5	920.2	917.4
45°	882.3	876.1	856.3	844.4	841.6
47.5°	811.1	803.1	776.0	762.4	761.3
50°	735.8	721.7	694.5	677.0	674.7
52.5°	660.0	639.7	608.6	595.6	599.0
55°	584.3	560.5	532.2	519.8	524.3
57.5°	510.7	485.8	461.5	449.1	451.9
60°	441.2	419.7	396.5	386.3	389.7
62.5°	372.7	359.1	339.4	330.3	334.8
65°	314.5	304.3	287.3	281.7	283.9
67.5°	263.6	255.6	240.9	236.4	239.8
70°	216.1	210.4	199.1	197.4	200.2
72.5°	170.8	167.4	161.2	158.4	160.1
75°	128.4	126.1	122.7	121.0	123.9
77.5°	92.8	91.1	89.9	89.9	90.5
80°	62.8	62.2	61.6	61.1	62.2
82.5°	38.5	38.5	38.5	38.5	39.0
85°	19.2	19.8	20.4	19.8	20.4
87.5°	6.2	6.8	7.4	7.4	7.9
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)