

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: P1192868

Luminaire Tested: 24PT-30-PB1-L850

Issue Date: 10/2/2025

Test Information

Test Method: LM-79-2019
Report Number: P1192868
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-30-PB1-L850
Description: 3000 LUMEN 2X4 PERCEIVE PT TROFFER WITH 5000K, 80 CRI LEDS AND BEVEL LENS
Light Source: -
Ballast/Driver: -

Summary

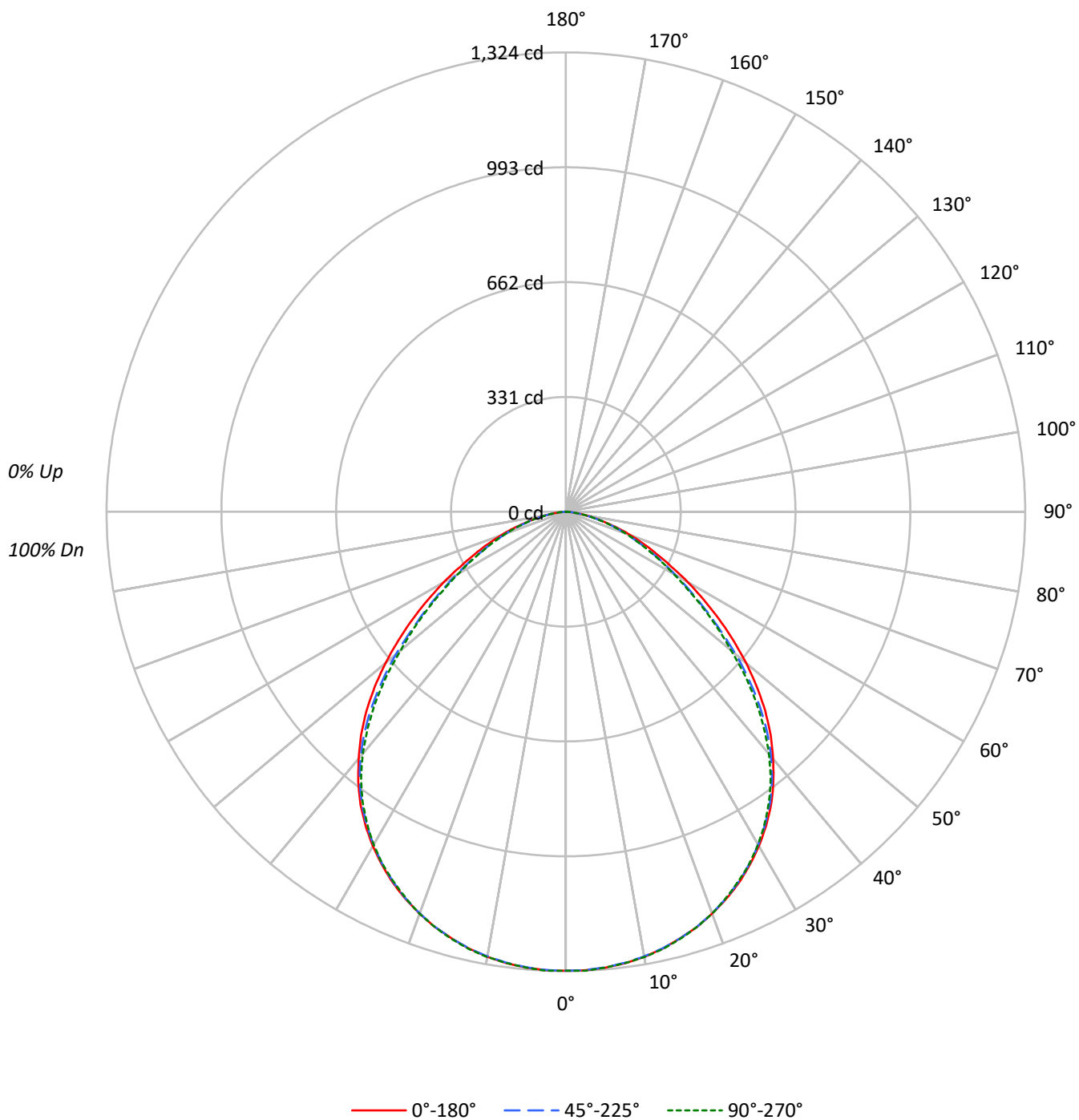
Lumens per Lamp: N/A
Luminaire Lumens: 3141.0 lumens
Efficiency: N/A
Efficacy: 130.9 lumens/watt
Spacing Criteria (0/90/45): 1.25 / 1.24 / 1.32
Luminous Opening: Rectangular (W 1.92' x L: 3.92' x H: 0')
CIE Type: Direct

Input Watts (W): 24
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°	1892	1892	1892
5°	1893	1891	1893
10°	1891	1890	1892
15°	1884	1884	1887
20°	1876	1874	1876
25°	1862	1858	1855
30°	1838	1831	1829
35°	1801	1790	1783
40°	1734	1718	1700
45°	1644	1595	1568
50°	1508	1424	1383
55°	1342	1222	1204
60°	1162	1045	1027
65°	980	896	885
70°	832	767	771
75°	654	625	630
80°	476	468	472
85°	290	308	308

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 1644 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	125.3	4.0
10°-20°	359.3	11.4
20°-30°	542.3	17.3
30°-40°	639.5	20.4
40°-50°	607.6	19.3
50°-60°	448.4	14.3
60°-70°	270.6	8.6
70°-80°	123.9	3.9
80°-90°	24.2	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°	1026.9	32.7
0°-40°	1666.4	53.1
0°-60°	2722.3	86.7
0°-90°	3141.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3141.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1323	1323	1323	1323	1323	
5°	1319	1319	1318	1316	1319	125
15°	1273	1273	1273	1272	1274	359
25°	1180	1180	1177	1175	1176	543
35°	1032	1030	1025	1021	1021	643
45°	813	807	789	778	775	624
55°	538	516	490	479	483	482
65°	290	280	265	259	262	291
75°	118	116	113	112	114	129
85°	18	18	19	18	19	24
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1322.8	1322.8	1322.8	1322.8	1322.8
2.5°	1322.8	1322.8	1321.7	1320.7	1323.8
5°	1318.6	1319.1	1317.5	1316.5	1318.6
7.5°	1312.3	1312.3	1310.8	1309.7	1311.8
10°	1302.4	1302.4	1301.4	1300.9	1303.0
12.5°	1289.4	1289.9	1288.9	1288.4	1291.0
15°	1272.7	1273.3	1272.7	1272.2	1274.3
17.5°	1255.0	1255.5	1254.5	1252.9	1255.0
20°	1232.6	1233.7	1231.6	1230.5	1232.6
22.5°	1207.6	1208.7	1206.6	1205.5	1205.5
25°	1180.0	1179.5	1177.4	1175.3	1175.8
27.5°	1147.7	1148.2	1145.1	1143.0	1144.6
30°	1112.8	1113.3	1108.6	1107.1	1107.6
32.5°	1073.7	1073.2	1069.0	1066.4	1066.4
35°	1031.5	1030.0	1025.3	1021.1	1021.1
37.5°	982.6	981.5	976.3	971.1	969.5
40°	928.9	927.9	920.0	913.3	910.7
42.5°	873.7	870.5	858.0	847.6	845.0
45°	812.7	807.0	788.8	777.8	775.2
47.5°	747.1	739.8	714.8	702.3	701.2
50°	677.8	664.8	639.8	623.6	621.5
52.5°	608.0	589.2	560.6	548.6	551.7
55°	538.2	516.3	490.2	478.8	482.9
57.5°	470.4	447.5	425.1	413.7	416.3
60°	406.4	386.6	365.2	355.8	359.0
62.5°	343.3	330.8	312.6	304.2	308.4
65°	289.7	280.3	264.7	259.4	261.5
67.5°	242.8	235.5	221.9	217.8	220.9
70°	199.0	193.8	183.4	181.8	184.4
72.5°	157.3	154.2	148.5	145.9	147.4
75°	118.3	116.2	113.1	111.5	114.1
77.5°	85.4	83.9	82.8	82.8	83.4
80°	57.8	57.3	56.8	56.3	57.3
82.5°	35.4	35.4	35.4	35.4	35.9
85°	17.7	18.2	18.8	18.2	18.8
87.5°	5.7	6.3	6.8	6.8	7.3
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)