

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: P1192871

Luminaire Tested: 24PT-30-PB1-L940

Issue Date: 10/2/2025

Test Information

Test Method: LM-79-2019
Report Number: P1192871
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-L940
Description: 3000 LUMEN 2X4 PERCEIVE PT TROFFER WITH 4000K, 90 CRI LEDS AND BEVEL LENS
Light Source: -
Ballast/Driver: -

Summary

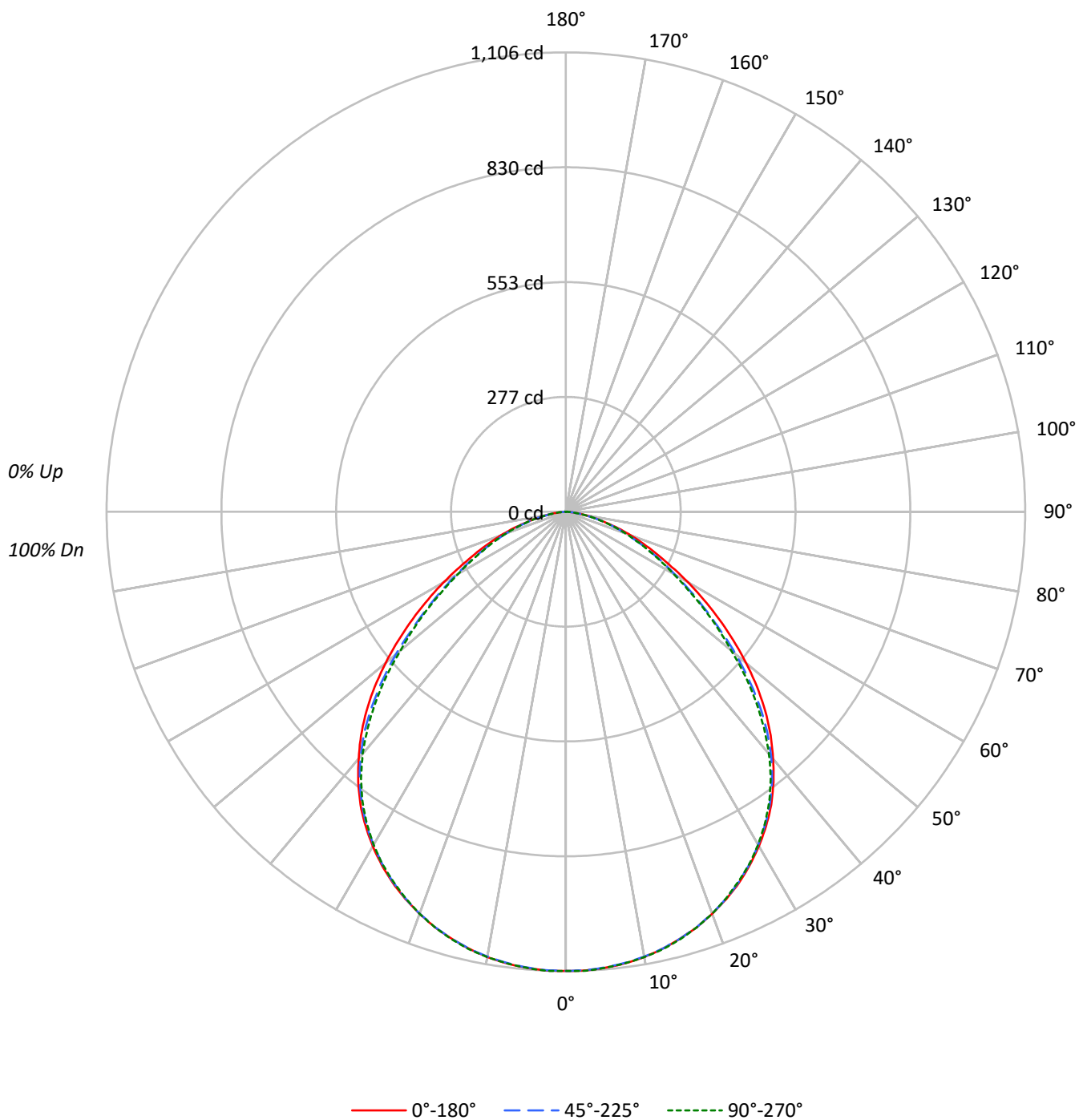
Lumens per Lamp: N/A
Luminaire Lumens: 2625.0 lumens
Efficiency: N/A
Efficacy: 109.4 lumens/watt
Spacing Criteria (0/90/45): 1.25 / 1.24 / 1.32
Luminous Opening: Rectangular (W 1.92' x L: 3.92' x H: 0')
CIE Type: Direct

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°	1581	1581	1581
5°	1582	1581	1582
10°	1581	1579	1581
15°	1575	1575	1577
20°	1568	1567	1568
25°	1556	1553	1551
30°	1536	1530	1529
35°	1505	1496	1490
40°	1449	1435	1421
45°	1374	1333	1310
50°	1260	1190	1156
55°	1122	1022	1006
60°	971	873	858
65°	819	749	740
70°	695	641	644
75°	546	522	527
80°	398	391	395
85°	243	258	258

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 1374 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	104.7	4.0
10°-20°	300.2	11.4
20°-30°	453.2	17.3
30°-40°	534.4	20.4
40°-50°	507.8	19.3
50°-60°	374.7	14.3
60°-70°	226.2	8.6
70°-80°	103.5	3.9
80°-90°	20.2	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°	858.2	32.7
0°-40°	1392.6	53.1
0°-60°	2275.1	86.7
0°-90°	2625.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2625.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1106	1106	1106	1106	1106	
5°	1102	1102	1101	1100	1102	105
15°	1064	1064	1064	1063	1065	300
25°	986	986	984	982	983	454
35°	862	861	857	853	853	537
45°	679	674	659	650	648	521
55°	450	432	410	400	404	403
65°	242	234	221	217	219	243
75°	99	97	94	93	95	108
85°	15	15	16	15	16	20
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1105.5	1105.5	1105.5	1105.5	1105.5
2.5°	1105.5	1105.5	1104.6	1103.7	1106.3
5°	1102.0	1102.4	1101.1	1100.2	1102.0
7.5°	1096.7	1096.7	1095.4	1094.6	1096.3
10°	1088.5	1088.5	1087.6	1087.2	1088.9
12.5°	1077.6	1078.0	1077.2	1076.7	1078.9
15°	1063.7	1064.1	1063.7	1063.2	1065.0
17.5°	1048.9	1049.3	1048.4	1047.1	1048.9
20°	1030.1	1031.0	1029.3	1028.4	1030.1
22.5°	1009.2	1010.1	1008.4	1007.5	1007.5
25°	986.2	985.7	984.0	982.2	982.7
27.5°	959.2	959.6	957.0	955.2	956.5
30°	930.0	930.4	926.5	925.2	925.6
32.5°	897.3	896.9	893.4	891.2	891.2
35°	862.1	860.8	856.8	853.4	853.4
37.5°	821.1	820.3	815.9	811.6	810.3
40°	776.3	775.4	768.9	763.2	761.1
42.5°	730.1	727.5	717.1	708.4	706.2
45°	679.2	674.4	659.2	650.0	647.9
47.5°	624.3	618.3	597.4	586.9	586.0
50°	566.4	555.6	534.7	521.2	519.4
52.5°	508.1	492.4	468.5	458.5	461.1
55°	449.8	431.5	409.7	400.1	403.6
57.5°	393.2	374.0	355.3	345.7	347.9
60°	339.6	323.1	305.2	297.4	300.0
62.5°	286.9	276.5	261.2	254.3	257.7
65°	242.1	234.2	221.2	216.8	218.6
67.5°	202.9	196.8	185.5	182.0	184.6
70°	166.3	162.0	153.3	152.0	154.1
72.5°	131.5	128.9	124.1	121.9	123.2
75°	98.8	97.1	94.5	93.2	95.4
77.5°	71.4	70.1	69.2	69.2	69.7
80°	48.3	47.9	47.5	47.0	47.9
82.5°	29.6	29.6	29.6	29.6	30.0
85°	14.8	15.2	15.7	15.2	15.7
87.5°	4.8	5.2	5.7	5.7	6.1
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)