

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: P1192867

Luminaire Tested: 24PT-30-PB1-L840

Issue Date: 10/2/2025

Test Information

Test Method: LM-79-2019
Report Number: P1192867
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-L840
Description: 3000 LUMEN 2X4 PERCEIVE PT TROFFER WITH 4000K, 80 CRI LEDS AND BEVEL LENS
Light Source: -
Ballast/Driver: -

Summary

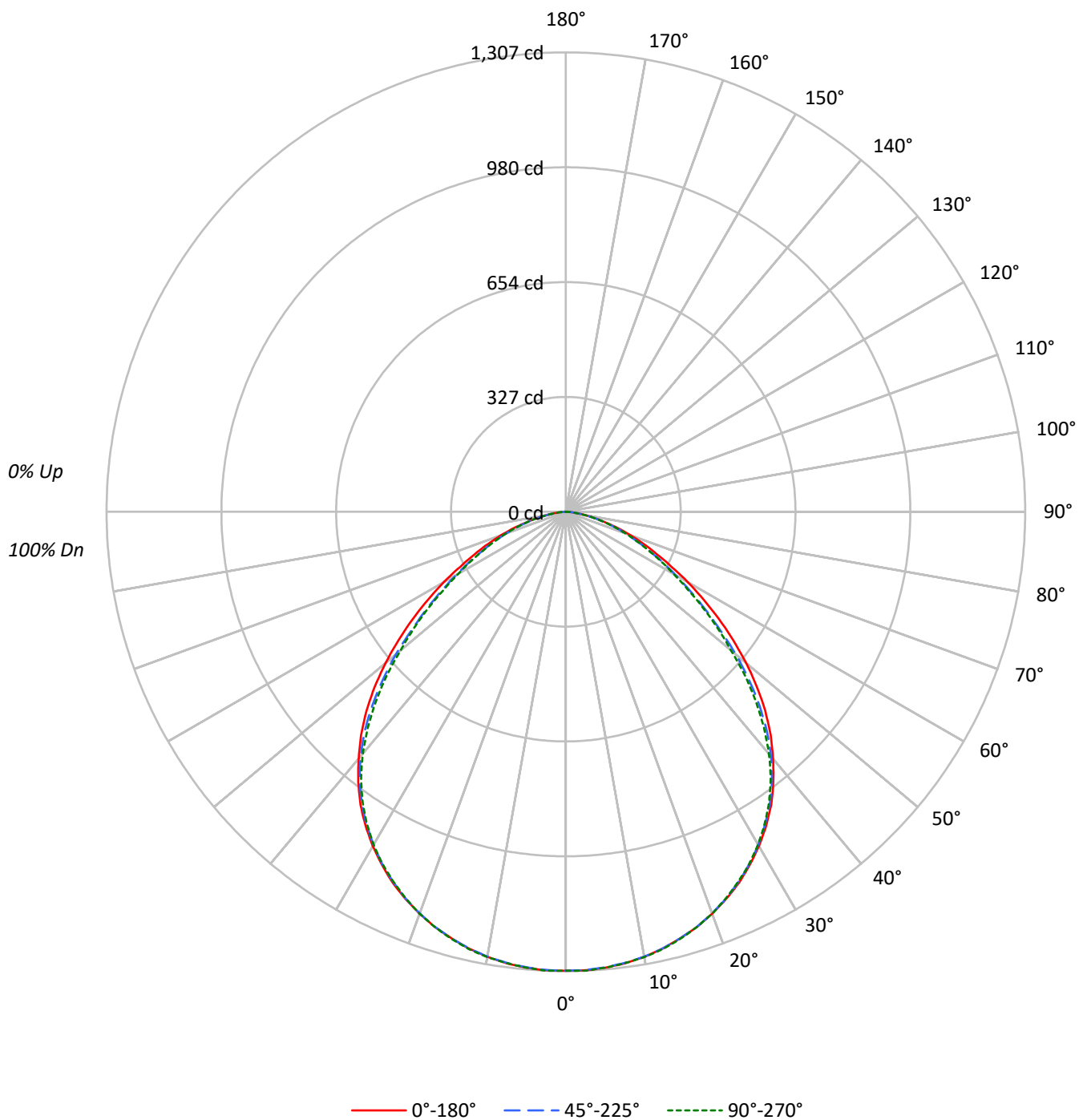
Lumens per Lamp: N/A
Luminaire Lumens: 3101.0 lumens
Efficiency: N/A
Efficacy: 129.2 lumens/watt
Spacing Criteria (0/90/45): 1.25 / 1.24 / 1.32
Luminous Opening: Rectangular (W 1.92' x L: 3.92' x H: 0')
CIE Type: Direct

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°	1868	1868	1868
5°	1869	1867	1869
10°	1867	1866	1868
15°	1860	1860	1863
20°	1852	1851	1852
25°	1838	1834	1832
30°	1814	1807	1806
35°	1778	1767	1760
40°	1712	1696	1679
45°	1623	1575	1548
50°	1489	1405	1365
55°	1325	1207	1189
60°	1148	1031	1014
65°	968	884	874
70°	822	757	761
75°	645	617	622
80°	470	462	466
85°	287	304	304

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 1623 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	123.7	4.0
10°-20°	354.7	11.4
20°-30°	535.4	17.3
30°-40°	631.3	20.4
40°-50°	599.9	19.3
50°-60°	442.6	14.3
60°-70°	267.2	8.6
70°-80°	122.3	3.9
80°-90°	23.9	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°	1013.8	32.7
0°-40°	1645.1	53.1
0°-60°	2687.7	86.7
0°-90°	3101.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3101.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1306	1306	1306	1306	1306	
5°	1302	1302	1301	1300	1302	124
15°	1256	1257	1256	1256	1258	355
25°	1165	1164	1162	1160	1161	536
35°	1018	1017	1012	1008	1008	635
45°	802	797	779	768	765	616
55°	531	510	484	473	477	476
65°	286	277	261	256	258	287
75°	117	115	112	110	113	127
85°	18	18	18	18	18	24
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1305.9	1305.9	1305.9	1305.9	1305.9
2.5°	1305.9	1305.9	1304.9	1303.8	1306.9
5°	1301.8	1302.3	1300.8	1299.7	1301.8
7.5°	1295.6	1295.6	1294.1	1293.0	1295.1
10°	1285.8	1285.8	1284.8	1284.3	1286.4
12.5°	1273.0	1273.5	1272.5	1272.0	1274.5
15°	1256.5	1257.0	1256.5	1256.0	1258.1
17.5°	1239.0	1239.6	1238.5	1237.0	1239.0
20°	1216.9	1218.0	1215.9	1214.9	1216.9
22.5°	1192.2	1193.3	1191.2	1190.2	1190.2
25°	1165.0	1164.5	1162.4	1160.3	1160.9
27.5°	1133.1	1133.6	1130.5	1128.5	1130.0
30°	1098.6	1099.1	1094.5	1093.0	1093.5
32.5°	1060.1	1059.5	1055.4	1052.9	1052.9
35°	1018.4	1016.8	1012.2	1008.1	1008.1
37.5°	970.0	969.0	963.9	958.7	957.2
40°	917.1	916.0	908.3	901.6	899.1
42.5°	862.5	859.5	847.1	836.8	834.3
45°	802.4	796.7	778.7	767.9	765.3
47.5°	737.6	730.4	705.7	693.3	692.3
50°	669.2	656.3	631.6	615.7	613.6
52.5°	600.2	581.7	553.4	541.6	544.7
55°	531.3	509.7	484.0	472.7	476.8
57.5°	464.4	441.8	419.7	408.4	411.0
60°	401.2	381.6	360.6	351.3	354.4
62.5°	338.9	326.6	308.6	300.4	304.5
65°	286.0	276.7	261.3	256.1	258.2
67.5°	239.7	232.5	219.1	215.0	218.1
70°	196.5	191.3	181.0	179.5	182.1
72.5°	155.3	152.2	146.6	144.0	145.6
75°	116.8	114.7	111.6	110.1	112.6
77.5°	84.4	82.8	81.8	81.8	82.3
80°	57.1	56.6	56.1	55.5	56.6
82.5°	35.0	35.0	35.0	35.0	35.5
85°	17.5	18.0	18.5	18.0	18.5
87.5°	5.7	6.2	6.7	6.7	7.2
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)