

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: P1192882

Luminaire Tested: 24PT-40-PB1-L835

Issue Date: 10/2/2025

Test Information

Test Method: LM-79-2019
Report Number: P1192882
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-L835
Description: 4000 LUMEN 2X4 PERCEIVE PT TROFFER WITH 3500K, 80 CRI LEDS AND BEVEL LENS
Light Source: -
Ballast/Driver: -

Summary

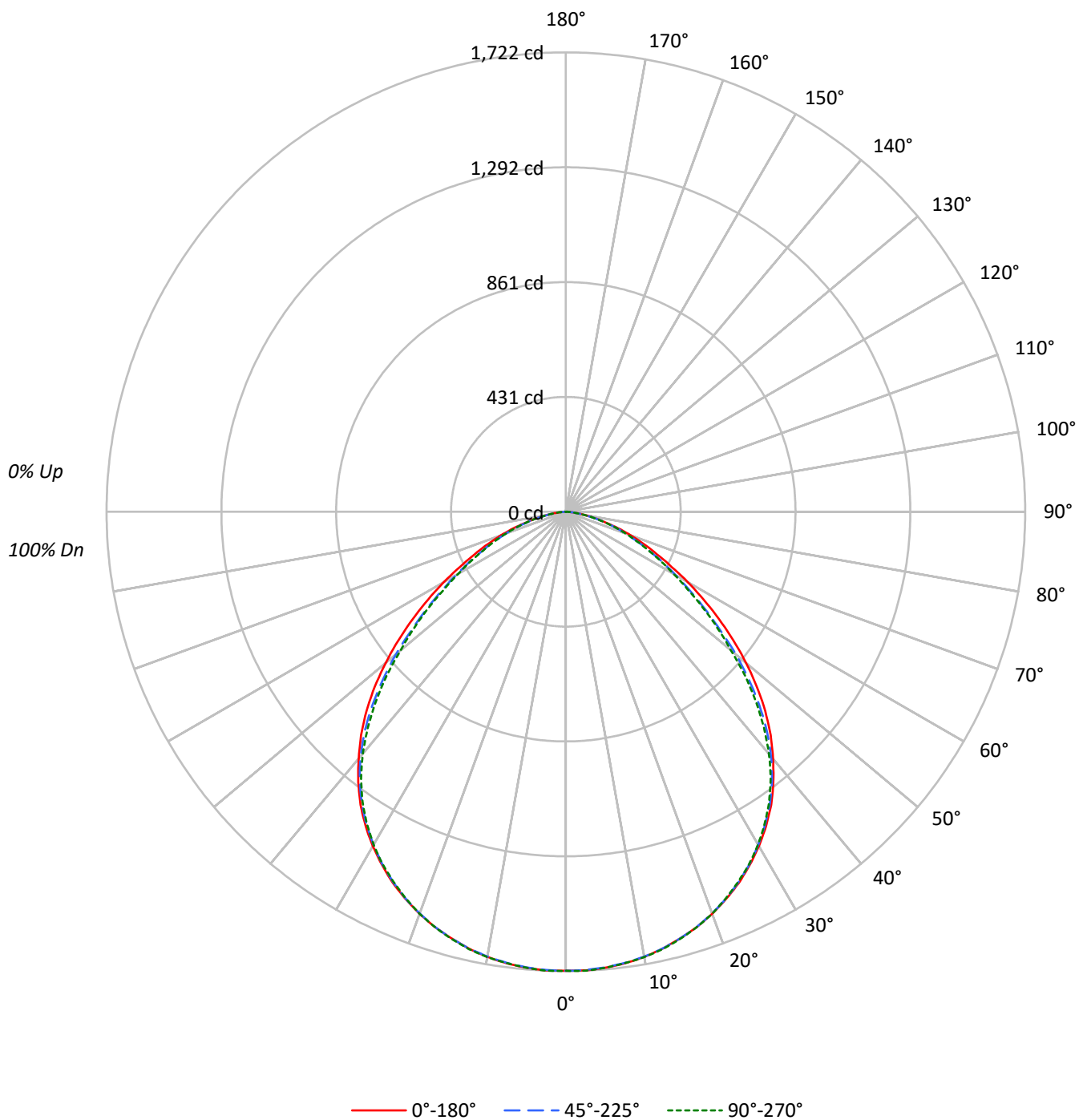
Lumens per Lamp: N/A
Luminaire Lumens: 4086.0 lumens
Efficiency: N/A
Efficacy: 123.8 lumens/watt
Spacing Criteria (0/90/45): 1.25 / 1.24 / 1.32
Luminous Opening: Rectangular (W 1.92' x L: 3.92' x H: 0')
CIE Type: Direct

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°	2461	2461	2461
5°	2463	2461	2463
10°	2460	2458	2462
15°	2451	2451	2454
20°	2440	2438	2440
25°	2422	2417	2414
30°	2391	2382	2379
35°	2343	2329	2319
40°	2256	2234	2212
45°	2138	2075	2040
50°	1962	1852	1799
55°	1746	1590	1566
60°	1512	1359	1335
65°	1275	1165	1151
70°	1083	998	1003
75°	850	813	820
80°	619	609	614
85°	377	400	400

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 2138 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	163.0	4.0
10°-20°	467.4	11.4
20°-30°	705.5	17.3
30°-40°	831.9	20.4
40°-50°	790.4	19.3
50°-60°	583.2	14.3
60°-70°	352.0	8.6
70°-80°	161.1	3.9
80°-90°	31.4	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°	1335.8	32.7
0°-40°	2167.7	53.1
0°-60°	3541.4	86.7
0°-90°	4086.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4086.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1721	1721	1721	1721	1721	
5°	1715	1716	1714	1713	1715	163
15°	1656	1656	1656	1655	1658	467
25°	1535	1534	1532	1529	1530	707
35°	1342	1340	1334	1328	1328	836
45°	1057	1050	1026	1012	1008	812
55°	700	672	638	623	628	627
65°	377	365	344	338	340	379
75°	154	151	147	145	148	168
85°	23	24	24	24	24	31
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1720.7	1720.7	1720.7	1720.7	1720.7
2.5°	1720.7	1720.7	1719.4	1718.0	1722.1
5°	1715.3	1716.0	1713.9	1712.6	1715.3
7.5°	1707.2	1707.2	1705.1	1703.8	1706.5
10°	1694.3	1694.3	1692.9	1692.2	1695.0
12.5°	1677.3	1678.0	1676.7	1676.0	1679.4
15°	1655.7	1656.3	1655.7	1655.0	1657.7
17.5°	1632.6	1633.3	1631.9	1629.9	1632.6
20°	1603.5	1604.8	1602.1	1600.8	1603.5
22.5°	1570.9	1572.3	1569.6	1568.2	1568.2
25°	1535.0	1534.3	1531.6	1528.9	1529.6
27.5°	1493.0	1493.7	1489.6	1486.9	1488.9
30°	1447.6	1448.3	1442.2	1440.1	1440.8
32.5°	1396.8	1396.1	1390.7	1387.3	1387.3
35°	1341.9	1339.8	1333.7	1328.3	1328.3
37.5°	1278.2	1276.8	1270.0	1263.3	1261.2
40°	1208.4	1207.0	1196.8	1188.0	1184.6
42.5°	1136.5	1132.5	1116.2	1102.6	1099.3
45°	1057.2	1049.8	1026.1	1011.8	1008.4
47.5°	971.8	962.4	929.8	913.6	912.2
50°	881.7	864.8	832.2	811.2	808.5
52.5°	790.9	766.5	729.2	713.6	717.7
55°	700.1	671.6	637.7	622.8	628.2
57.5°	612.0	582.2	553.0	538.1	541.5
60°	528.6	502.9	475.1	462.9	466.9
62.5°	446.6	430.3	406.6	395.8	401.2
65°	376.8	364.6	344.3	337.5	340.2
67.5°	315.8	306.3	288.7	283.3	287.4
70°	258.9	252.1	238.6	236.5	239.9
72.5°	204.7	200.6	193.1	189.8	191.8
75°	153.8	151.1	147.1	145.0	148.4
77.5°	111.1	109.1	107.8	107.8	108.4
80°	75.2	74.5	73.9	73.2	74.5
82.5°	46.1	46.1	46.1	46.1	46.8
85°	23.0	23.7	24.4	23.7	24.4
87.5°	7.5	8.1	8.8	8.8	9.5
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)