

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: P1192866

Luminaire Tested: 24PT-30-PB1-L835

Issue Date: 10/2/2025

Test Information

Test Method: LM-79-2019
Report Number: P1192866
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-L835
Description: 3000 LUMEN 2X4 PERCEIVE PT TROFFER WITH 3500K, 80 CRI LEDS AND BEVEL LENS
Light Source: -
Ballast/Driver: -

Summary

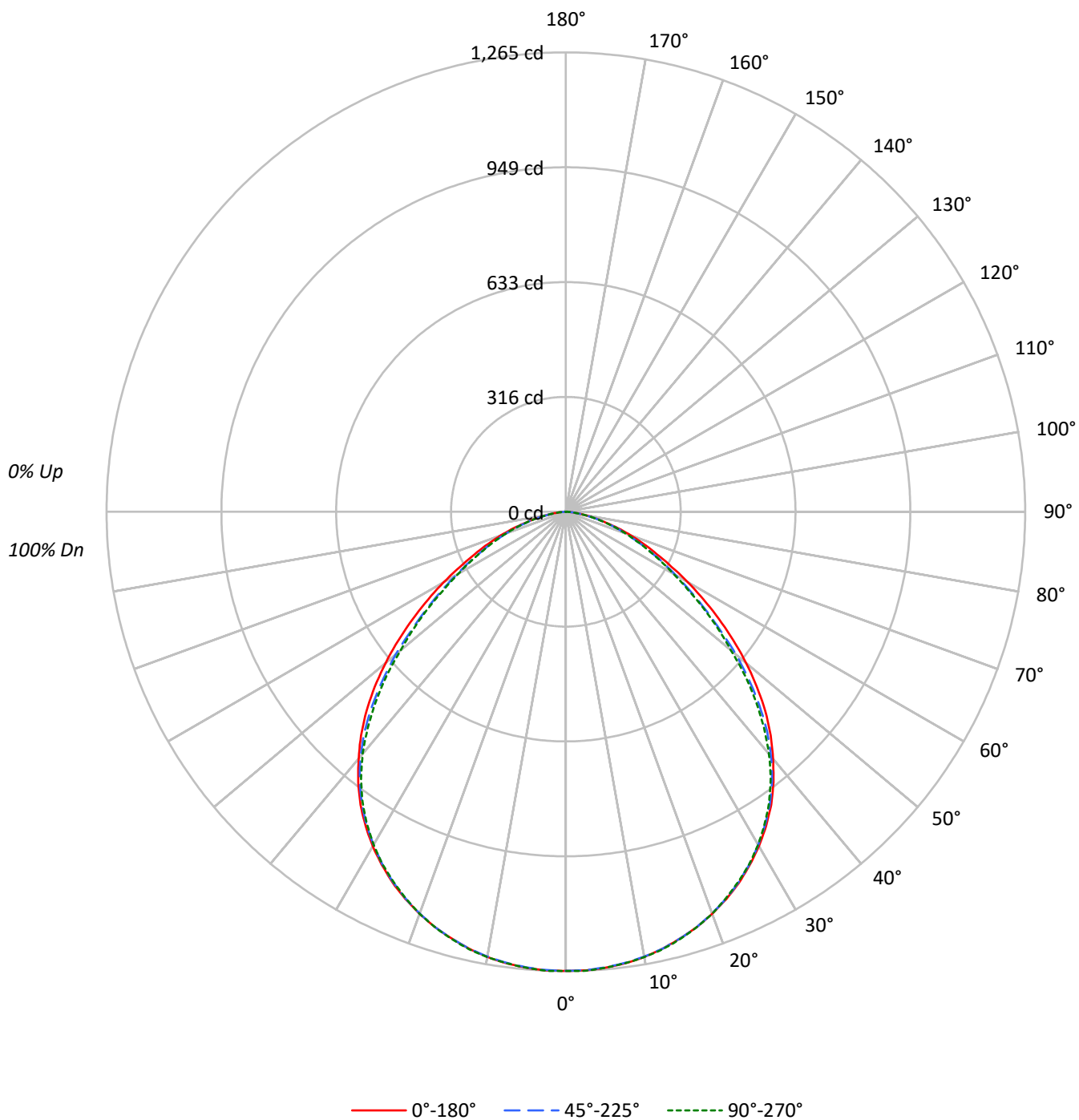
Lumens per Lamp: N/A
Luminaire Lumens: 3002.0 lumens
Efficiency: N/A
Efficacy: 125.1 lumens/watt
Spacing Criteria (0/90/45): 1.25 / 1.24 / 1.32
Luminous Opening: Rectangular (W 1.92' x L: 3.92' x H: 0')
CIE Type: Direct

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°	1808	1808	1808
5°	1809	1808	1809
10°	1808	1806	1808
15°	1801	1801	1803
20°	1793	1791	1793
25°	1780	1776	1773
30°	1756	1750	1748
35°	1721	1711	1704
40°	1657	1642	1625
45°	1571	1525	1499
50°	1441	1360	1322
55°	1282	1168	1151
60°	1111	998	981
65°	937	856	846
70°	795	733	737
75°	624	597	602
80°	455	447	451
85°	277	294	294

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 1571 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	119.7	4.0
10°-20°	343.4	11.4
20°-30°	518.3	17.3
30°-40°	611.2	20.4
40°-50°	580.7	19.3
50°-60°	428.5	14.3
60°-70°	258.7	8.6
70°-80°	118.4	3.9
80°-90°	23.1	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°	981.4	32.7
0°-40°	1592.6	53.1
0°-60°	2601.8	86.7
0°-90°	3002.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3002.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1264	1264	1264	1264	1264	
5°	1260	1261	1259	1258	1260	120
15°	1216	1217	1216	1216	1218	343
25°	1128	1127	1125	1123	1124	519
35°	986	984	980	976	976	615
45°	777	771	754	743	741	596
55°	514	493	468	458	462	460
65°	277	268	253	248	250	278
75°	113	111	108	107	109	123
85°	17	17	18	17	18	23
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1264.2	1264.2	1264.2	1264.2	1264.2
2.5°	1264.2	1264.2	1263.2	1262.2	1265.2
5°	1260.2	1260.7	1259.2	1258.2	1260.2
7.5°	1254.3	1254.3	1252.8	1251.8	1253.8
10°	1244.8	1244.8	1243.8	1243.3	1245.3
12.5°	1232.3	1232.8	1231.9	1231.4	1233.8
15°	1216.4	1216.9	1216.4	1215.9	1217.9
17.5°	1199.5	1200.0	1199.0	1197.5	1199.5
20°	1178.1	1179.1	1177.1	1176.1	1178.1
22.5°	1154.2	1155.2	1153.2	1152.2	1152.2
25°	1127.8	1127.3	1125.3	1123.3	1123.8
27.5°	1096.9	1097.4	1094.4	1092.4	1093.9
30°	1063.6	1064.1	1059.6	1058.1	1058.6
32.5°	1026.2	1025.7	1021.7	1019.2	1019.2
35°	985.9	984.4	979.9	975.9	975.9
37.5°	939.1	938.1	933.1	928.1	926.6
40°	887.8	886.8	879.3	872.9	870.4
42.5°	835.0	832.0	820.1	810.1	807.6
45°	776.8	771.3	753.8	743.4	740.9
47.5°	714.0	707.0	683.1	671.2	670.2
50°	647.8	635.3	611.4	596.0	594.0
52.5°	581.1	563.1	535.8	524.3	527.3
55°	514.3	493.4	468.5	457.6	461.6
57.5°	449.6	427.7	406.3	395.3	397.8
60°	388.4	369.5	349.0	340.1	343.1
62.5°	328.1	316.2	298.8	290.8	294.8
65°	276.8	267.9	252.9	248.0	250.0
67.5°	232.0	225.1	212.1	208.1	211.1
70°	190.2	185.2	175.3	173.8	176.3
72.5°	150.4	147.4	141.9	139.4	140.9
75°	113.0	111.0	108.0	106.6	109.0
77.5°	81.7	80.2	79.2	79.2	79.7
80°	55.3	54.8	54.3	53.8	54.8
82.5°	33.9	33.9	33.9	33.9	34.4
85°	16.9	17.4	17.9	17.4	17.9
87.5°	5.5	6.0	6.5	6.5	7.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)