

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: P1192878

Luminaire Tested: 24PT-35-PB1-L935

Issue Date: 10/2/2025

Test Information

Test Method: LM-79-2019
Report Number: P1192878
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-35-PB1-L935
Description: 3500 LUMEN 2X4 PERCEIVE PT TROFFER WITH 3500K, 90 CRI LEDS AND BEVEL LENS
Light Source: -
Ballast/Driver: -

Summary

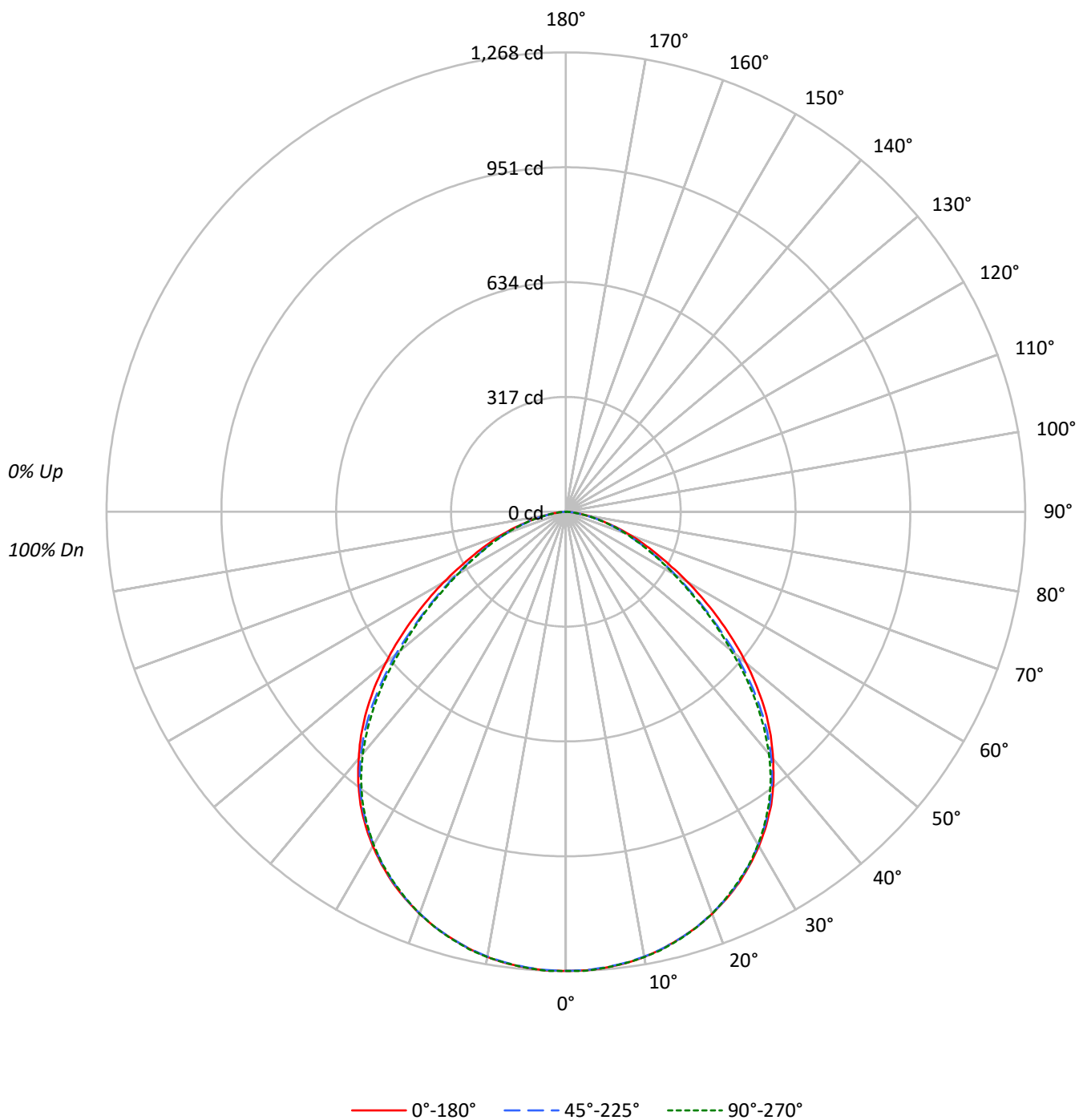
Lumens per Lamp: N/A
Luminaire Lumens: 3009.0 lumens
Efficiency: N/A
Efficacy: 107.5 lumens/watt
Spacing Criteria (0/90/45): 1.25 / 1.24 / 1.32
Luminous Opening: Rectangular (W 1.92' x L: 3.92' x H: 0')
CIE Type: Direct

Input Watts (W): 28
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°	1812	1812	1812
5°	1813	1812	1813
10°	1812	1810	1813
15°	1805	1805	1807
20°	1797	1796	1797
25°	1784	1780	1777
30°	1760	1754	1752
35°	1725	1715	1708
40°	1661	1646	1629
45°	1575	1528	1502
50°	1445	1364	1325
55°	1285	1171	1153
60°	1114	1001	984
65°	939	858	848
70°	797	735	739
75°	626	598	604
80°	456	448	452
85°	279	295	295

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 45°
Luminance: 1575 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	120.0	4.0
10°-20°	344.2	11.4
20°-30°	519.5	17.3
30°-40°	612.6	20.4
40°-50°	582.1	19.3
50°-60°	429.5	14.3
60°-70°	259.3	8.6
70°-80°	118.7	3.9
80°-90°	23.2	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°	983.7	32.7
0°-40°	1596.3	53.1
0°-60°	2607.9	86.7
0°-90°	3009.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3009.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1267	1267	1267	1267	1267	
5°	1263	1264	1262	1261	1263	120
15°	1219	1220	1219	1219	1221	344
25°	1130	1130	1128	1126	1126	520
35°	988	987	982	978	978	616
45°	779	773	756	745	743	598
55°	516	495	470	459	463	462
65°	278	268	254	248	250	279
75°	113	111	108	107	109	123
85°	17	18	18	18	18	23
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1267.2	1267.2	1267.2	1267.2	1267.2
2.5°	1267.2	1267.2	1266.2	1265.2	1268.2
5°	1263.2	1263.7	1262.2	1261.2	1263.2
7.5°	1257.2	1257.2	1255.7	1254.7	1256.7
10°	1247.7	1247.7	1246.7	1246.2	1248.2
12.5°	1235.2	1235.7	1234.7	1234.2	1236.7
15°	1219.3	1219.8	1219.3	1218.8	1220.7
17.5°	1202.3	1202.8	1201.8	1200.3	1202.3
20°	1180.8	1181.8	1179.8	1178.8	1180.8
22.5°	1156.9	1157.9	1155.9	1154.9	1154.9
25°	1130.4	1129.9	1127.9	1125.9	1126.4
27.5°	1099.5	1100.0	1097.0	1095.0	1096.5
30°	1066.0	1066.5	1062.0	1060.5	1061.0
32.5°	1028.6	1028.1	1024.1	1021.6	1021.6
35°	988.2	986.7	982.2	978.2	978.2
37.5°	941.3	940.3	935.3	930.3	928.8
40°	889.9	888.9	881.4	874.9	872.4
42.5°	837.0	834.0	822.0	812.0	809.5
45°	778.6	773.1	755.6	745.1	742.6
47.5°	715.7	708.7	684.7	672.8	671.8
50°	649.3	636.8	612.9	597.4	595.4
52.5°	582.4	564.5	537.0	525.5	528.5
55°	515.5	494.6	469.6	458.7	462.6
57.5°	450.7	428.7	407.2	396.3	398.8
60°	389.3	370.3	349.9	340.9	343.9
62.5°	328.9	316.9	299.4	291.5	295.5
65°	277.5	268.5	253.5	248.5	250.5
67.5°	232.6	225.6	212.6	208.6	211.6
70°	190.6	185.7	175.7	174.2	176.7
72.5°	150.7	147.7	142.2	139.7	141.2
75°	113.3	111.3	108.3	106.8	109.3
77.5°	81.8	80.4	79.4	79.4	79.9
80°	55.4	54.9	54.4	53.9	54.9
82.5°	33.9	33.9	33.9	33.9	34.4
85°	17.0	17.5	18.0	17.5	18.0
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)