

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: P1192880

Luminaire Tested: 24PT-35-PB1-L950

Issue Date: 10/2/2025

Test Information

Test Method: LM-79-2019
Report Number: P1192880
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-L950
Description: 3500 LUMEN 2X4 PERCEIVE PT TROFFER WITH 5000K, 90 CRI LEDS AND BEVEL LENS
Light Source: -
Ballast/Driver: -

Summary

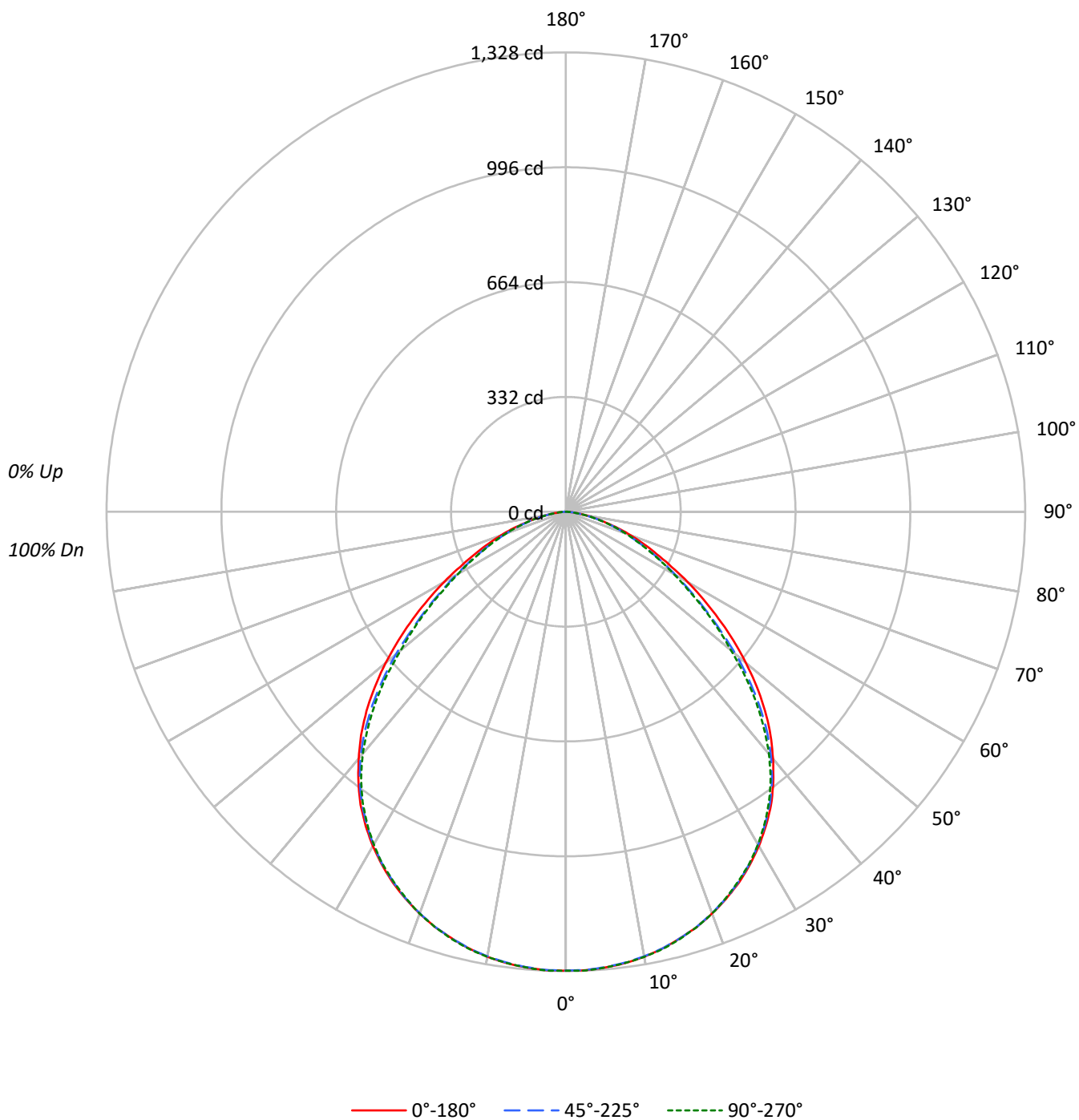
Lumens per Lamp: N/A
Luminaire Lumens: 3150.0 lumens
Efficiency: N/A
Efficacy: 112.5 lumens/watt
Spacing Criteria (0/90/45): 1.25 / 1.24 / 1.32
Luminous Opening: Rectangular (W 1.92' x L: 3.92' x H: 0')
CIE Type: Direct

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°	1897	1897	1897
5°	1898	1897	1898
10°	1897	1895	1898
15°	1890	1890	1892
20°	1881	1880	1881
25°	1867	1863	1861
30°	1843	1836	1834
35°	1806	1795	1788
40°	1739	1723	1705
45°	1648	1600	1572
50°	1512	1428	1387
55°	1346	1226	1208
60°	1166	1047	1030
65°	983	898	888
70°	835	769	774
75°	655	627	632
80°	478	469	474
85°	292	308	308

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 1648 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	125.7	4.0
10°-20°	360.3	11.4
20°-30°	543.9	17.3
30°-40°	641.3	20.4
40°-50°	609.3	19.3
50°-60°	449.6	14.3
60°-70°	271.4	8.6
70°-80°	124.2	3.9
80°-90°	24.2	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°	1029.8	32.7
0°-40°	1671.1	53.1
0°-60°	2730.1	86.7
0°-90°	3150.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3150.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1326	1326	1326	1326	1326	
5°	1322	1323	1321	1320	1322	126
15°	1276	1277	1276	1276	1278	360
25°	1183	1183	1181	1179	1179	545
35°	1034	1033	1028	1024	1024	645
45°	815	809	791	780	777	626
55°	540	518	492	480	484	483
65°	290	281	265	260	262	292
75°	119	116	113	112	114	129
85°	18	18	19	18	19	24
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1326.5	1326.5	1326.5	1326.5	1326.5
2.5°	1326.5	1326.5	1325.5	1324.5	1327.6
5°	1322.4	1322.9	1321.3	1320.3	1322.4
7.5°	1316.1	1316.1	1314.5	1313.5	1315.6
10°	1306.2	1306.2	1305.1	1304.6	1306.7
12.5°	1293.1	1293.6	1292.6	1292.1	1294.7
15°	1276.4	1276.9	1276.4	1275.9	1278.0
17.5°	1258.6	1259.1	1258.1	1256.5	1258.6
20°	1236.2	1237.2	1235.1	1234.1	1236.2
22.5°	1211.1	1212.1	1210.0	1209.0	1209.0
25°	1183.4	1182.9	1180.8	1178.7	1179.2
27.5°	1151.0	1151.5	1148.4	1146.3	1147.9
30°	1116.0	1116.5	1111.8	1110.2	1110.8
32.5°	1076.8	1076.3	1072.1	1069.5	1069.5
35°	1034.5	1032.9	1028.2	1024.0	1024.0
37.5°	985.4	984.3	979.1	973.9	972.3
40°	931.6	930.5	922.7	915.9	913.3
42.5°	876.2	873.0	860.5	850.1	847.4
45°	815.0	809.3	791.0	780.0	777.4
47.5°	749.2	741.9	716.8	704.3	703.2
50°	679.7	666.7	641.6	625.4	623.3
52.5°	609.7	590.9	562.2	550.2	553.3
55°	539.7	517.8	491.6	480.1	484.3
57.5°	471.8	448.8	426.3	414.8	417.5
60°	407.5	387.7	366.2	356.8	360.0
62.5°	344.3	331.8	313.5	305.1	309.3
65°	290.5	281.1	265.4	260.2	262.3
67.5°	243.5	236.2	222.6	218.4	221.5
70°	199.6	194.4	183.9	182.3	185.0
72.5°	157.8	154.6	148.9	146.3	147.9
75°	118.6	116.5	113.4	111.8	114.4
77.5°	85.7	84.1	83.1	83.1	83.6
80°	58.0	57.5	56.9	56.4	57.5
82.5°	35.5	35.5	35.5	35.5	36.1
85°	17.8	18.3	18.8	18.3	18.8
87.5°	5.7	6.3	6.8	6.8	7.3
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)