

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: P1192879

Luminaire Tested: 24PT-35-PB1-L940

Issue Date: 10/2/2025

Test Information

Test Method: LM-79-2019
Report Number: P1192879
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-L940
Description: 3500 LUMEN 2X4 PERCEIVE PT TROFFER WITH 4000K, 90 CRI LEDS AND BEVEL LENS
Light Source: -
Ballast/Driver: -

Summary

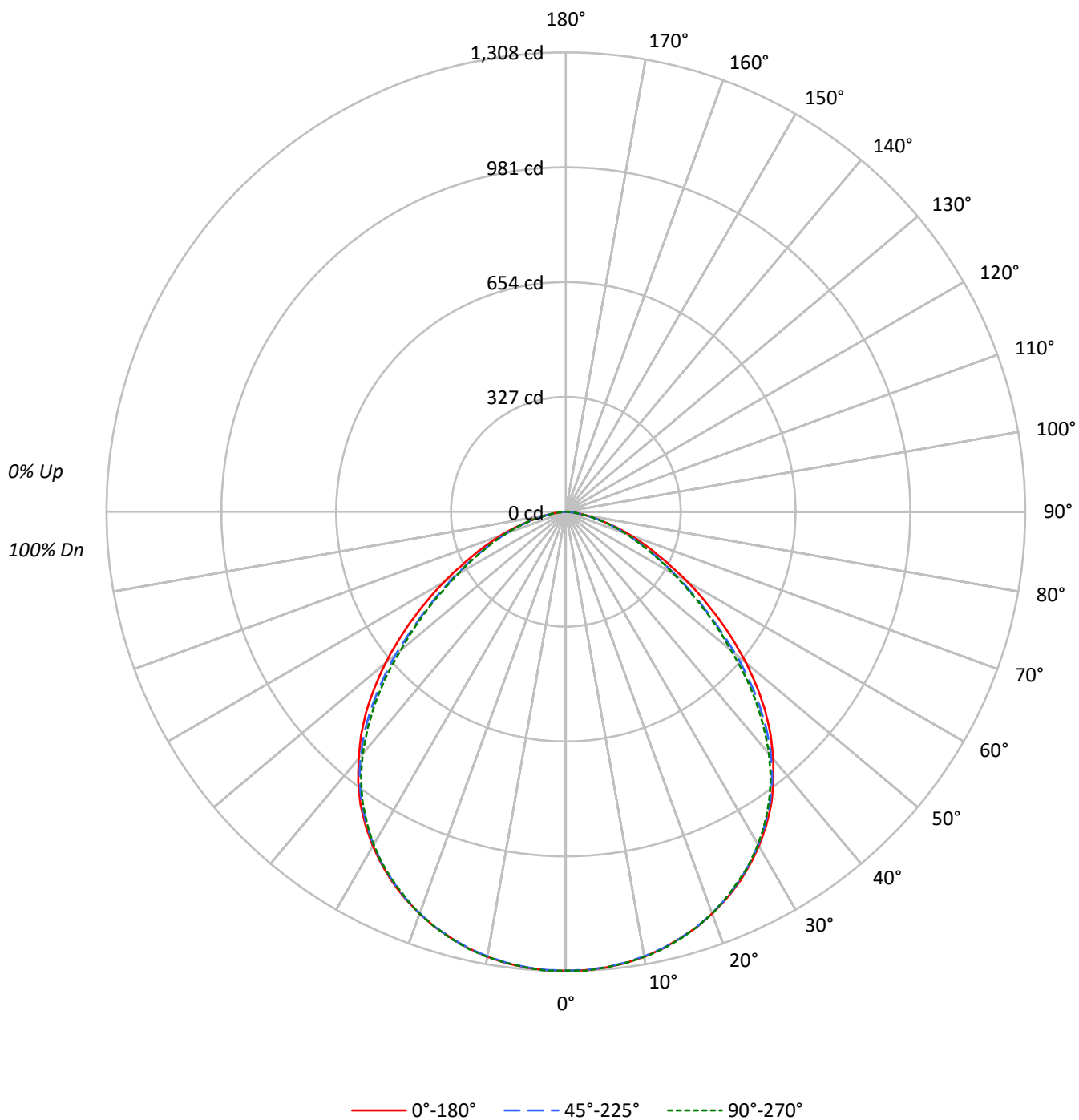
Lumens per Lamp: N/A
Luminaire Lumens: 3103.0 lumens
Efficiency: N/A
Efficacy: 110.8 lumens/watt
Spacing Criteria (0/90/45): 1.25 / 1.24 / 1.32
Luminous Opening: Rectangular (W 1.92' x L: 3.92' x H: 0')
CIE Type: Direct

Input Watts (W): 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

TEST NUMBER: P1192879

CATALOG NUMBER: 24PT-35-PB1-L940

Luminous Intensity Polar Plot



TEST NUMBER: P1192879

CATALOG NUMBER: 24PT-35-PB1-L940

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°	1869	1869	1869
5°	1870	1869	1870
10°	1869	1867	1869
15°	1862	1862	1864
20°	1853	1852	1853
25°	1839	1836	1833
30°	1815	1809	1807
35°	1779	1768	1761
40°	1713	1697	1679
45°	1624	1576	1549
50°	1490	1406	1366
55°	1326	1208	1190
60°	1148	1032	1014
65°	969	885	874
70°	822	758	762
75°	645	617	623
80°	470	462	466
85°	287	304	304

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 45°
Luminance: 1624 cd/sqm

TEST NUMBER: P1192879

CATALOG NUMBER: 24PT-35-PB1-L940

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	123.8	4.0
10°-20°	354.9	11.4
20°-30°	535.8	17.3
30°-40°	631.8	20.4
40°-50°	600.3	19.3
50°-60°	442.9	14.3
60°-70°	267.4	8.6
70°-80°	122.4	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°	1014.4	32.7
0°-40°	1646.2	53.1
0°-60°	2689.4	86.7
0°-90°	3103.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3103.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1307	1307	1307	1307	1307	
5°	1303	1303	1302	1301	1303	124
15°	1257	1258	1257	1257	1259	355
25°	1166	1165	1163	1161	1162	537
35°	1019	1018	1013	1009	1009	635
45°	803	797	779	768	766	616
55°	532	510	484	473	477	476
65°	286	277	262	256	258	288
75°	117	115	112	110	113	127
85°	18	18	18	18	18	24
90°	0	0	0	0	0	

TEST NUMBER: P1192879

CATALOG NUMBER: 24PT-35-PB1-L940

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1306.7	1306.7	1306.7	1306.7	1306.7
2.5°	1306.7	1306.7	1305.7	1304.7	1307.8
5°	1302.6	1303.1	1301.6	1300.6	1302.6
7.5°	1296.5	1296.5	1294.9	1293.9	1295.9
10°	1286.7	1286.7	1285.6	1285.1	1287.2
12.5°	1273.8	1274.3	1273.3	1272.8	1275.4
15°	1257.3	1257.9	1257.3	1256.8	1258.9
17.5°	1239.8	1240.4	1239.3	1237.8	1239.8
20°	1217.7	1218.7	1216.7	1215.7	1217.7
22.5°	1193.0	1194.0	1192.0	1190.9	1190.9
25°	1165.7	1165.2	1163.2	1161.1	1161.6
27.5°	1133.8	1134.3	1131.2	1129.2	1130.7
30°	1099.3	1099.9	1095.2	1093.7	1094.2
32.5°	1060.7	1060.2	1056.1	1053.5	1053.5
35°	1019.0	1017.5	1012.9	1008.8	1008.8
37.5°	970.7	969.6	964.5	959.3	957.8
40°	917.7	916.6	908.9	902.2	899.6
42.5°	863.1	860.0	847.7	837.4	834.8
45°	802.9	797.2	779.2	768.4	765.8
47.5°	738.0	730.8	706.1	693.8	692.7
50°	669.6	656.7	632.0	616.1	614.0
52.5°	600.6	582.1	553.8	541.9	545.0
55°	531.7	510.0	484.3	473.0	477.1
57.5°	464.7	442.1	420.0	408.6	411.2
60°	401.4	381.9	360.8	351.5	354.6
62.5°	339.2	326.8	308.8	300.6	304.7
65°	286.2	276.9	261.5	256.3	258.4
67.5°	239.8	232.6	219.2	215.1	218.2
70°	196.6	191.5	181.2	179.6	182.2
72.5°	155.4	152.3	146.7	144.1	145.7
75°	116.8	114.8	111.7	110.1	112.7
77.5°	84.4	82.9	81.8	81.8	82.3
80°	57.1	56.6	56.1	55.6	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)