

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: P1050523

Luminaire Tested: 24PTR-40-L935-UNV-STD-W

Issue Date: 7/11/2025

Test Information

Test Method: LM-79-2019
Report Number: P1050523
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2310-200-1)
Test Lab: INNOVATION CENTER
Issue Date: 7/11/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: 24PTR-40-L935-UNV-STD-W
Description: 4000 LUMEN 2X4 PERCEIVE PT TROFFER WITH 3500K, 90 CRI LEDS AND FROSTED LENS

Light Source:
Ballast/Driver: -

Summary

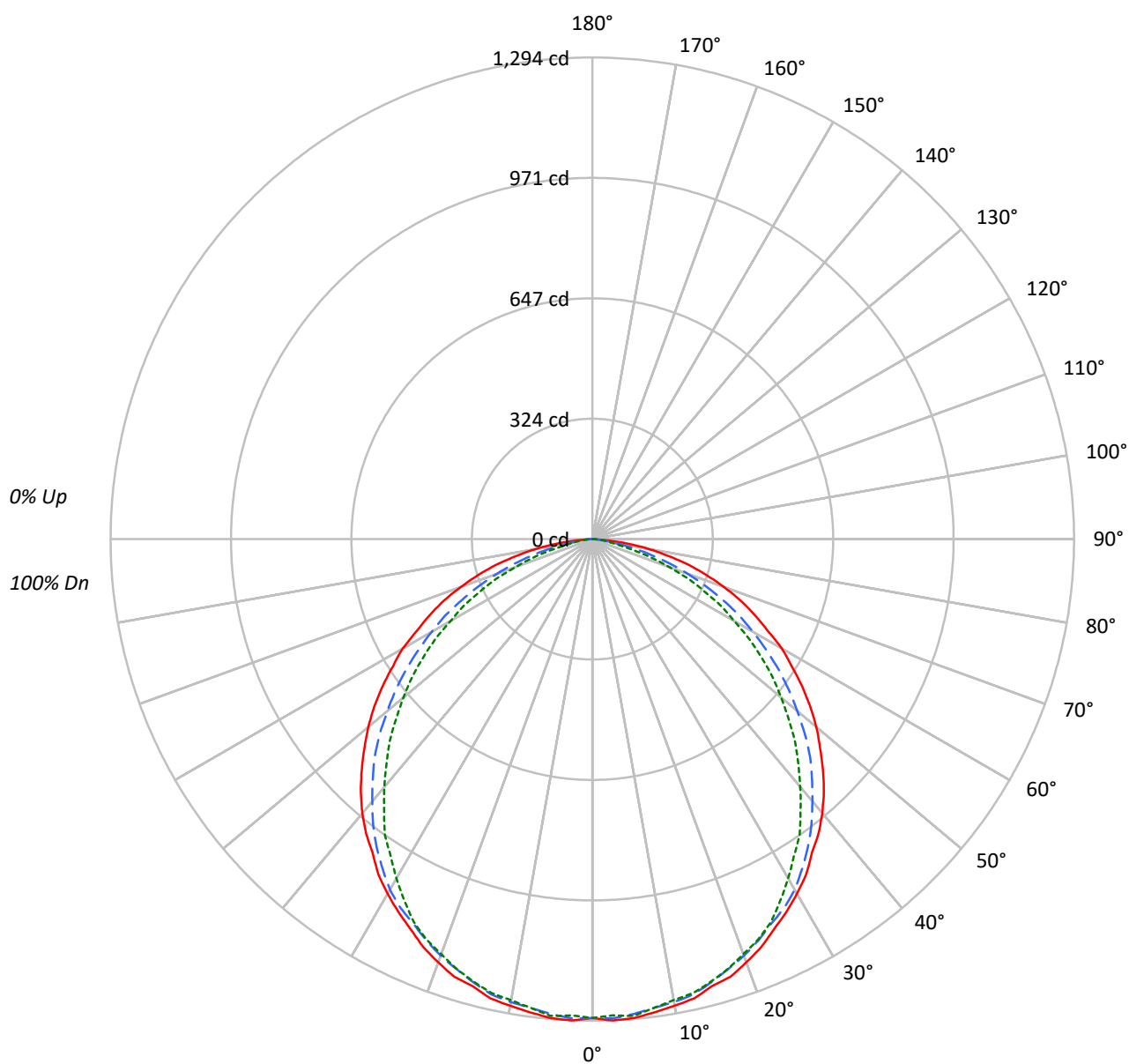
Lumens per Lamp: N/A
Luminaire Lumens: 3427.3 lumens
Efficiency: N/A
Efficacy: 103.9 lumens/watt
Spacing Criteria (0/90/45): 1.27 / 1.21 / 1.35
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 33
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor:
Total Harmonic Distortion (THDi):
Frequency (hertz): 60
Stabilization Time: HR
Operation Time: HR
Ambient Temperature (°C): NR
Test Distance: 24 FT

TEST NUMBER: P1050523

CATALOG NUMBER: 24PTR-40-L935-UNV-STD-W

Luminous Intensity Polar Plot



TEST NUMBER: P1050523

CATALOG NUMBER: 24PTR-40-L935-UNV-STD-W

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	30	10	50	30	10
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	102	102	100
1	109	105	101	97	107	103	99	96	98	95	93	95	92	90	91	89	87	87	87	85
2	100	92	85	80	97	90	84	79	87	81	77	83	79	75	80	77	74	74	74	72
3	91	81	73	67	89	79	72	66	76	70	65	74	68	64	71	67	63	63	63	61
4	84	72	63	57	81	71	63	56	68	61	56	66	60	55	64	58	54	54	54	52
5	77	64	56	49	75	63	55	49	61	54	48	59	53	48	57	52	47	47	47	45
6	71	58	49	43	69	57	49	43	55	48	42	54	47	42	52	46	42	42	42	40
7	66	53	44	38	64	52	44	38	50	43	38	49	42	37	48	42	37	37	37	35
8	61	48	40	34	60	47	39	34	46	39	34	45	38	33	44	38	33	33	33	31
9	57	44	36	31	56	44	36	30	42	35	30	41	35	30	40	34	30	30	30	28
10	54	41	33	28	53	40	33	28	39	32	28	38	32	27	37	32	27	27	27	26

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1731	1731	1731
5°	1744	1729	1737
10°	1739	1725	1718
15°	1731	1718	1714
20°	1733	1705	1699
25°	1716	1691	1685
30°	1709	1689	1635
35°	1689	1659	1595
40°	1688	1615	1526
45°	1667	1573	1466
50°	1644	1503	1386
55°	1612	1433	1301
60°	1584	1340	1182
65°	1530	1230	1056
70°	1480	1070	862
75°	1391	845	594
80°	1206	511	356
85°	804	367	343

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 1667 cd/sqm

TEST NUMBER: P1050523

CATALOG NUMBER: 24PTR-40-L935-UNV-STD-W

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	122.0	3.6
10°-20°	349.0	10.2
20°-30°	527.2	15.4
30°-40°	626.8	18.3
40°-50°	635.7	18.5
50°-60°	552.0	16.1
60°-70°	391.9	11.4
70°-80°	187.3	5.5
80°-90°	35.5	1.0
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°	998.1	29.1
0°-40°	1624.9	47.4
0°-60°	2812.7	82.1
0°-90°	3427.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3427.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1287	1287	1287	1287	1287	
5°	1291	1287	1280	1284	1286	123
15°	1243	1246	1233	1232	1231	352
25°	1156	1154	1139	1143	1135	534
35°	1028	1027	1010	976	971	646
45°	876	868	827	783	770	676
55°	687	667	611	575	555	614
65°	480	444	386	345	332	476
75°	268	218	162	129	114	280
85°	52	28	24	23	22	66
90°	0	0	0	0	0	

TEST NUMBER: P1050523

CATALOG NUMBER: 24PTR-40-L935-UNV-STD-W

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1286.7	1286.7	1286.7	1286.7	1286.7
2.5°	1294.3	1289.7	1288.2	1293.6	1280.5
5°	1291.3	1286.7	1280.5	1283.6	1285.9
7.5°	1282.1	1278.2	1269.8	1276.7	1269.8
10°	1272.9	1269.1	1262.9	1265.2	1257.6
12.5°	1263.7	1254.5	1253.0	1254.5	1249.1
15°	1243.0	1246.1	1233.0	1231.5	1230.7
17.5°	1233.0	1225.4	1211.6	1212.3	1210.8
20°	1210.0	1200.8	1190.9	1189.4	1186.3
22.5°	1186.3	1175.6	1166.4	1171.0	1164.1
25°	1155.6	1154.1	1138.8	1143.4	1134.9
27.5°	1128.8	1123.4	1116.6	1106.6	1094.3
30°	1099.7	1094.3	1087.4	1061.4	1052.2
32.5°	1069.0	1062.9	1049.1	1018.5	1008.5
35°	1028.4	1026.9	1010.0	975.5	970.9
37.5°	997.8	980.9	967.1	931.9	918.8
40°	961.0	951.8	919.6	885.9	869.0
42.5°	920.4	909.6	872.9	836.8	818.4
45°	875.9	868.3	826.9	783.2	770.2
47.5°	829.9	823.0	774.0	731.9	715.0
50°	785.5	777.1	718.1	677.4	662.1
52.5°	737.2	723.4	665.2	625.3	610.8
55°	687.4	666.7	610.8	574.8	554.8
57.5°	634.5	615.4	553.3	515.7	499.7
60°	588.5	561.7	498.1	459.8	439.1
62.5°	529.5	506.5	446.0	400.8	390.8
65°	480.5	444.5	386.2	344.9	331.8
67.5°	430.7	388.5	329.5	287.4	280.5
70°	376.3	332.6	272.0	230.7	219.2
72.5°	321.1	278.2	219.2	175.5	168.6
75°	267.5	218.4	162.5	128.7	114.2
77.5°	209.2	164.8	114.2	78.9	69.7
80°	155.6	111.1	65.9	46.7	46.0
82.5°	101.9	64.4	35.3	36.0	34.5
85°	52.1	27.6	23.8	23.0	22.2
87.5°	10.0	10.7	11.5	11.5	11.5
90°	0.0	0.0	0.0	0.0	0.0



— 0°-180° - - 45°-225° 90°-270°

(END OF REPORT)