

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: P1050524

Luminaire Tested: 24PTR-45-L935-UNV-STD-W

Issue Date: 7/11/2025

Test Information

Test Method: LM-79-2019
Report Number: P1050524
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-45-L935-UNV-STD-W
Description: 4500 LUMEN 2X4 PERCEIVE PT TROFFER WITH 3500K, 90 CRI LEDS AND FROSTED LENS

Light Source:
Ballast/Driver: -

Summary

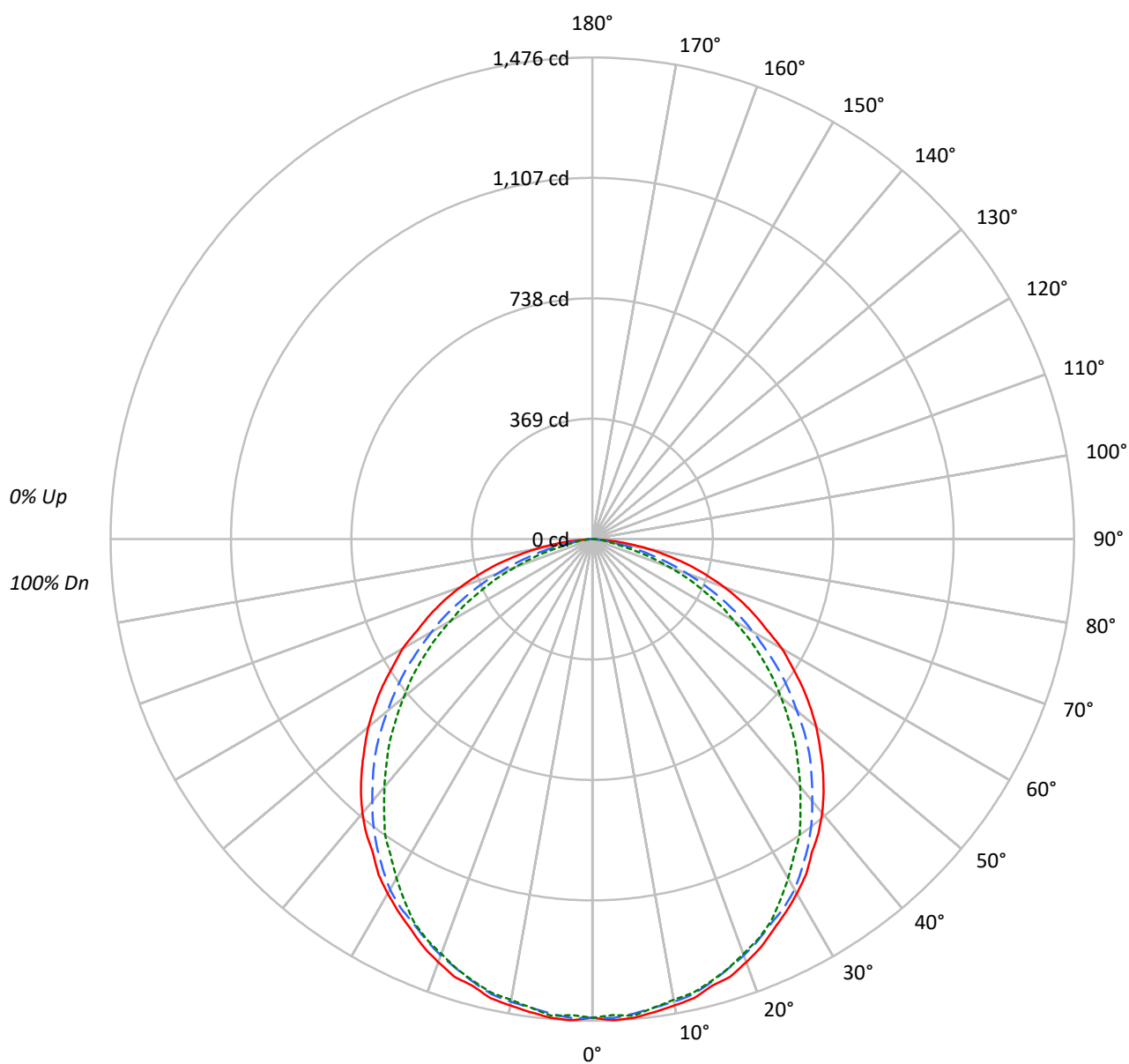
Lumens per Lamp: N/A
Luminaire Lumens: 3907.2 lumens
Efficiency: N/A
Efficacy: 105.6 lumens/watt
Spacing Criteria (0/90/45): 1.27 / 1.21 / 1.35
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 37
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: P1050524

CATALOG NUMBER: 24PTR-45-L935-UNV-STD-W

Luminous Intensity Polar Plot



TEST NUMBER: P1050524

CATALOG NUMBER: 24PTR-45-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°	1974	1974	1974
5°	1988	1972	1980
10°	1983	1967	1959
15°	1974	1958	1954
20°	1975	1944	1936
25°	1956	1927	1921
30°	1948	1926	1864
35°	1926	1891	1818
40°	1924	1841	1740
45°	1900	1794	1671
50°	1874	1714	1580
55°	1838	1633	1484
60°	1805	1528	1347
65°	1744	1402	1204
70°	1688	1220	983
75°	1585	963	677
80°	1374	582	406
85°	917	418	391

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 1900 cd/sqm

TEST NUMBER: P1050524

CATALOG NUMBER: 24PTR-45-L935-UNV-STD-W

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	139.0	3.6
10°-20°	397.9	10.2
20°-30°	601.0	15.4
30°-40°	714.6	18.3
40°-50°	724.7	18.5
50°-60°	629.3	16.1
60°-70°	446.7	11.4
70°-80°	213.5	5.5
80°-90°	40.5	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°	1137.9	29.1
0°-40°	1852.5	47.4
0°-60°	3206.5	82.1
0°-90°	3907.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3907.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1467	1467	1467	1467	1467	
5°	1472	1467	1460	1463	1466	140
15°	1417	1420	1406	1404	1403	401
25°	1317	1316	1298	1304	1294	608
35°	1172	1171	1151	1112	1107	737
45°	999	990	943	893	878	770
55°	784	760	696	655	632	700
65°	548	507	440	393	378	543
75°	305	249	185	147	130	320
85°	59	32	27	26	25	75
90°	0	0	0	0	0	

TEST NUMBER: P1050524

CATALOG NUMBER: 24PTR-45-L935-UNV-STD-W

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1466.8	1466.8	1466.8	1466.8	1466.8
2.5°	1475.6	1470.3	1468.6	1474.7	1459.8
5°	1472.1	1466.8	1459.8	1463.3	1466.0
7.5°	1461.6	1457.2	1447.6	1455.5	1447.6
10°	1451.1	1446.7	1439.7	1442.4	1433.6
12.5°	1440.6	1430.1	1428.4	1430.1	1424.0
15°	1417.0	1420.5	1405.7	1403.9	1403.1
17.5°	1405.7	1396.9	1381.2	1382.1	1380.3
20°	1379.5	1369.0	1357.6	1355.9	1352.4
22.5°	1352.4	1340.2	1329.7	1334.9	1327.0
25°	1317.4	1315.7	1298.2	1303.5	1293.8
27.5°	1286.9	1280.7	1272.9	1261.5	1247.5
30°	1253.7	1247.5	1239.7	1210.0	1199.5
32.5°	1218.7	1211.7	1196.0	1161.1	1149.7
35°	1172.4	1170.7	1151.4	1112.1	1106.9
37.5°	1137.5	1118.2	1102.5	1062.3	1047.5
40°	1095.5	1085.0	1048.4	1009.9	990.7
42.5°	1049.2	1037.0	995.1	954.0	933.0
45°	998.6	989.8	942.6	892.9	878.0
47.5°	946.1	938.3	882.4	834.3	815.1
50°	895.5	885.9	818.6	772.3	754.8
52.5°	840.4	824.7	758.3	712.9	696.3
55°	783.6	760.1	696.3	655.2	632.5
57.5°	723.4	701.5	630.8	588.0	569.6
60°	670.9	640.4	567.9	524.2	500.6
62.5°	603.7	577.5	508.5	456.9	445.6
65°	547.8	506.7	440.3	393.1	378.3
67.5°	491.0	442.9	375.7	327.6	319.7
70°	429.0	379.2	310.1	263.0	249.9
72.5°	366.1	317.1	249.9	200.1	192.2
75°	304.9	249.0	185.2	146.8	130.2
77.5°	238.5	187.8	130.2	90.0	79.5
80°	177.3	126.7	75.1	53.3	52.4
82.5°	116.2	73.4	40.2	41.1	39.3
85°	59.4	31.5	27.1	26.2	25.3
87.5°	11.4	12.2	13.1	13.1	13.1
90°	0.0	0.0	0.0	0.0	0.0



— 0°-180° - - 45°-225° 90°-270°

(END OF REPORT)