

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: P1050522

Luminaire Tested: 24PTR-35-L935-UNV-STD-W

Issue Date: 7/11/2025

Test Information

Test Method: LM-79-2019
Report Number: P1050522
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-35-L935-UNV-STD-W
Description: 3500 LUMEN 2X4 PERCEIVE PT TROFFER WITH 3500K, 90 CRI LEDS AND FROSTED LENS

Light Source:
Ballast/Driver: -

Summary

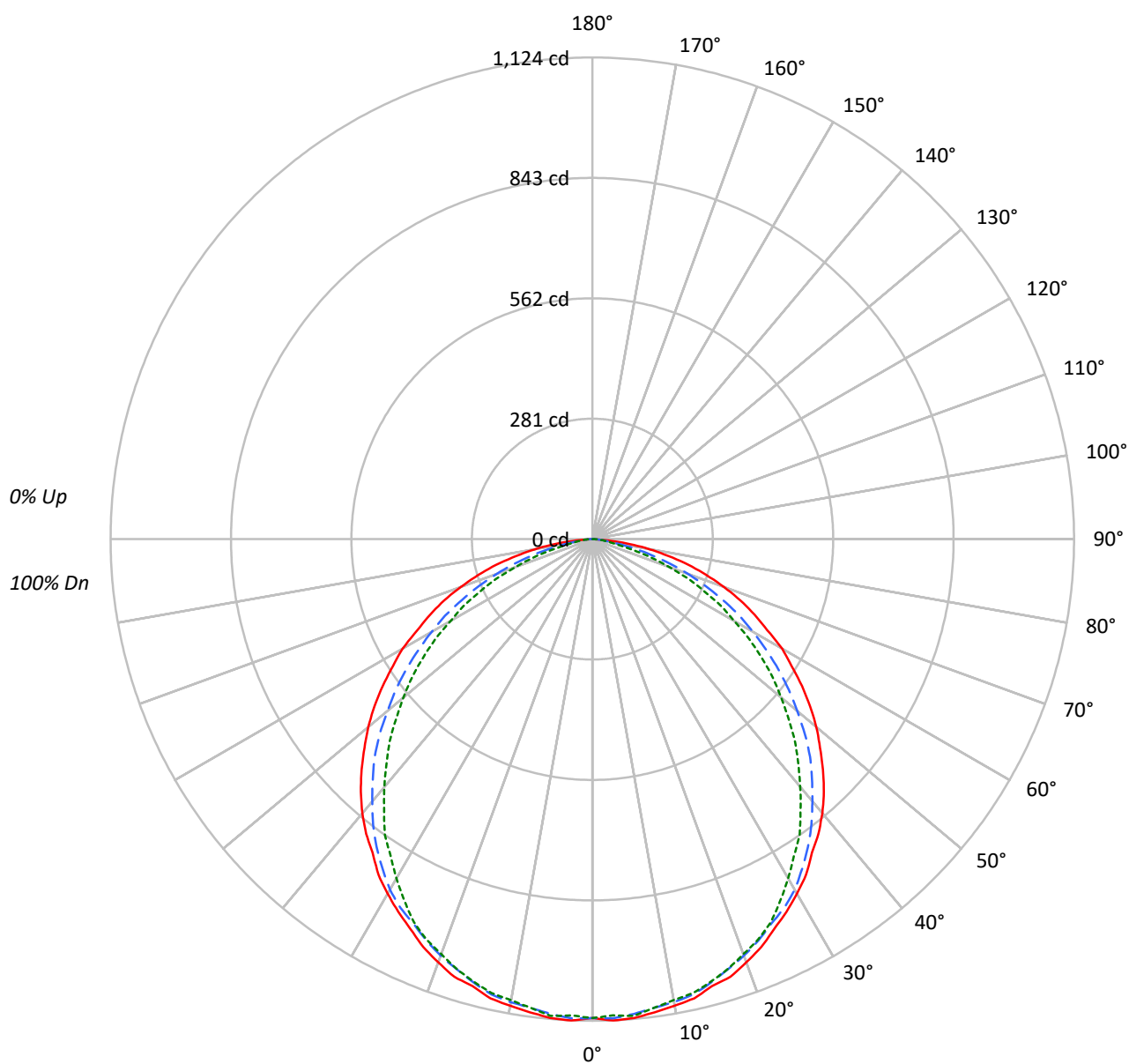
Lumens per Lamp: N/A
Luminaire Lumens: 2977.1 lumens
Efficiency: N/A
Efficacy: 106.3 lumens/watt
Spacing Criteria (0/90/45): 1.27 / 1.21 / 1.35
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 28
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: P1050522

CATALOG NUMBER: 24PTR-35-L935-UNV-STD-W

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	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°	1504	1504	1504
5°	1515	1502	1509
10°	1511	1499	1492
15°	1504	1492	1489
20°	1505	1481	1476
25°	1490	1469	1464
30°	1484	1468	1420
35°	1467	1441	1385
40°	1466	1403	1326
45°	1448	1367	1273
50°	1428	1306	1204
55°	1401	1244	1130
60°	1376	1164	1026
65°	1329	1068	918
70°	1286	930	749
75°	1208	734	516
80°	1047	443	309
85°	699	318	298

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 1448 cd/sqm

TEST NUMBER: P1050522

CATALOG NUMBER: 24PTR-35-L935-UNV-STD-W

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	105.9	3.6
10°-20°	303.2	10.2
20°-30°	457.9	15.4
30°-40°	544.5	18.3
40°-50°	552.2	18.5
50°-60°	479.5	16.1
60°-70°	340.4	11.4
70°-80°	162.7	5.5
80°-90°	30.8	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°	867.0	29.1
0°-40°	1411.5	47.4
0°-60°	2443.2	82.1
0°-90°	2977.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2977.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1118	1118	1118	1118	1118	
5°	1122	1118	1112	1115	1117	106
15°	1080	1082	1071	1070	1069	306
25°	1004	1002	989	993	986	464
35°	893	892	877	847	843	561
45°	761	754	718	680	669	587
55°	597	579	530	499	482	534
65°	417	386	336	300	288	413
75°	232	190	141	112	99	244
85°	45	24	21	20	19	57
90°	0	0	0	0	0	

TEST NUMBER: P1050522

CATALOG NUMBER: 24PTR-35-L935-UNV-STD-W

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1117.7	1117.7	1117.7	1117.7	1117.7
2.5°	1124.3	1120.3	1119.0	1123.7	1112.3
5°	1121.7	1117.7	1112.3	1115.0	1117.0
7.5°	1113.7	1110.3	1103.0	1109.0	1103.0
10°	1105.7	1102.4	1097.0	1099.0	1092.4
12.5°	1097.7	1089.7	1088.4	1089.7	1085.1
15°	1079.7	1082.4	1071.1	1069.7	1069.1
17.5°	1071.1	1064.4	1052.4	1053.1	1051.8
20°	1051.1	1043.1	1034.5	1033.1	1030.5
22.5°	1030.5	1021.1	1013.2	1017.2	1011.2
25°	1003.8	1002.5	989.2	993.2	985.9
27.5°	980.5	975.9	969.9	961.2	950.6
30°	955.2	950.6	944.6	922.0	914.0
32.5°	928.6	923.3	911.3	884.7	876.0
35°	893.3	892.0	877.4	847.4	843.4
37.5°	866.7	852.1	840.1	809.5	798.1
40°	834.8	826.8	798.8	769.5	754.9
42.5°	799.5	790.2	758.2	726.9	710.9
45°	760.9	754.2	718.3	680.3	669.0
47.5°	720.9	714.9	672.3	635.7	621.1
50°	682.3	675.0	623.7	588.5	575.1
52.5°	640.4	628.4	577.8	543.2	530.5
55°	597.1	579.1	530.5	499.3	481.9
57.5°	551.2	534.5	480.6	448.0	434.0
60°	511.2	487.9	432.7	399.4	381.4
62.5°	460.0	440.0	387.4	348.1	339.5
65°	417.4	386.1	335.5	299.6	288.2
67.5°	374.1	337.5	286.2	249.6	243.6
70°	326.8	288.9	236.3	200.4	190.4
72.5°	278.9	241.6	190.4	152.4	146.4
75°	232.3	189.7	141.1	111.8	99.2
77.5°	181.7	143.1	99.2	68.6	60.6
80°	135.1	96.5	57.2	40.6	39.9
82.5°	88.5	55.9	30.6	31.3	30.0
85°	45.3	24.0	20.6	20.0	19.3
87.5°	8.7	9.3	10.0	10.0	10.0
90°	0.0	0.0	0.0	0.0	0.0



— 0°-180° - - 45°-225° 90°-270°

(END OF REPORT)