

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: P1050754

Luminaire Tested: 24PTR-40-PL1-L935-UNV-STD-W

Issue Date: 7/11/2025

Test Information

Test Method: LM-79-2019
Report Number: P1050754
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P737719)
Test Lab: INNOVATION CENTER
Issue Date: 7/11/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: 24PTR-40-PL1-L935-UNV-STD-W
Description: 4000 LUMEN 2X4 PERCEIVE PT TROFFER WITH 3500K, 90 CRI LEDS AND LEAVES LENS

Light Source:
Ballast/Driver: -

Summary

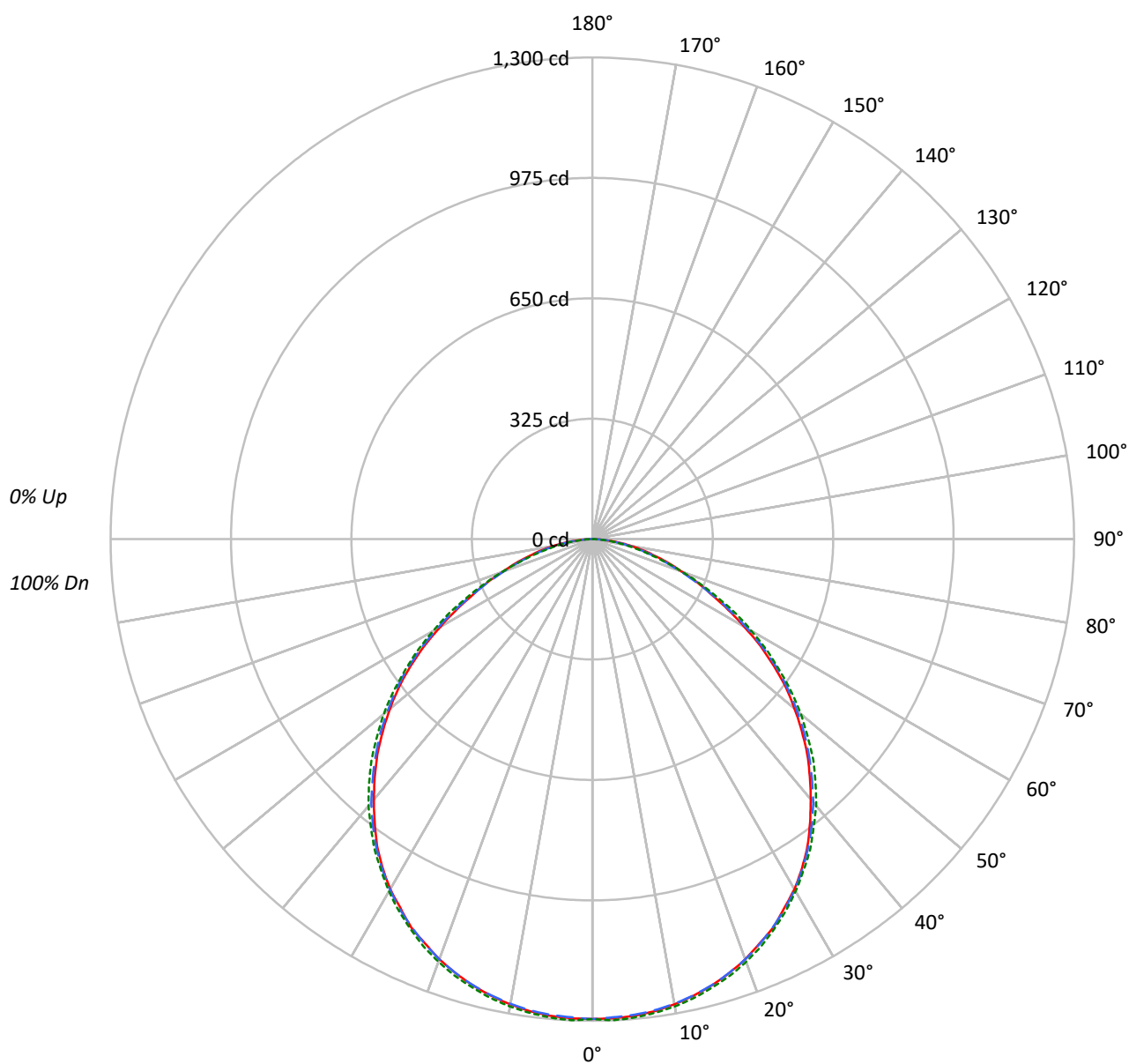
Lumens per Lamp: N/A
Luminaire Lumens: 3414.4 lumens
Efficiency: N/A
Efficacy: 103.5 lumens/watt
Spacing Criteria (0/90/45): 1.25 / 1.26 / 1.35
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

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

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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	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	94	92	90	91	89	87	87	87	85
2	100	92	86	80	97	90	84	79	87	82	77	83	79	75	80	77	74	74	74	72
3	91	81	73	67	89	80	72	66	77	70	65	74	69	64	71	67	63	63	63	61
4	84	72	64	57	82	71	63	57	68	61	56	66	60	55	64	59	55	55	55	52
5	77	65	56	49	75	64	55	49	61	54	49	60	53	48	58	52	48	48	48	46
6	71	58	50	43	69	57	49	43	56	48	43	54	47	42	52	47	42	42	42	40
7	66	53	44	38	65	52	44	38	51	43	38	49	43	38	48	42	37	37	37	35
8	62	48	40	34	60	48	40	34	46	39	34	45	39	34	44	38	34	34	34	32
9	58	44	36	31	56	44	36	31	43	36	31	42	35	30	41	35	30	30	30	29
10	54	41	33	28	53	41	33	28	40	33	28	39	32	28	38	32	28	28	28	26

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1743	1743	1743
5°	1744	1741	1751
10°	1742	1740	1750
15°	1737	1736	1745
20°	1728	1728	1738
25°	1716	1714	1723
30°	1695	1697	1705
35°	1662	1669	1682
40°	1611	1629	1650
45°	1560	1573	1604
50°	1492	1508	1538
55°	1405	1428	1444
60°	1274	1302	1334
65°	1132	1144	1190
70°	1012	991	1016
75°	913	860	843
80°	830	770	683
85°	702	638	550

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 1604 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	122.9	3.6
10°-20°	352.4	10.3
20°-30°	533.1	15.6
30°-40°	635.4	18.6
40°-50°	638.9	18.7
50°-60°	542.2	15.9
60°-70°	361.0	10.6
70°-80°	180.3	5.3
80°-90°	48.2	1.4
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°	1008.3	29.5
0°-40°	1643.7	48.1
0°-60°	2824.9	82.7
0°-90°	3414.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3414.4	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1295	1295	1295	1295	1295	
5°	1292	1292	1289	1295	1296	123
15°	1247	1248	1246	1252	1253	352
25°	1156	1156	1155	1160	1161	532
35°	1012	1013	1016	1023	1024	631
45°	820	822	827	838	843	631
55°	599	603	609	614	616	534
65°	356	358	359	365	374	356
75°	176	173	166	162	162	189
85°	46	45	41	39	36	53
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1295.3	1295.3	1295.3	1295.3	1295.3
2.5°	1294.3	1295.3	1291.8	1298.1	1299.7
5°	1291.5	1291.8	1289.0	1294.8	1296.2
7.5°	1285.2	1285.7	1282.8	1289.0	1289.9
10°	1275.1	1276.1	1273.7	1279.4	1280.8
12.5°	1262.2	1263.6	1261.1	1267.4	1268.5
15°	1246.8	1248.2	1246.3	1251.5	1252.6
17.5°	1228.0	1229.1	1228.0	1232.9	1235.7
20°	1206.9	1206.9	1206.9	1211.3	1213.7
22.5°	1180.6	1183.0	1182.0	1187.7	1190.2
25°	1156.2	1156.2	1154.6	1160.0	1160.9
27.5°	1122.0	1125.8	1125.5	1130.2	1131.2
30°	1090.8	1091.8	1092.3	1095.6	1097.6
32.5°	1052.9	1053.8	1055.4	1060.1	1060.6
35°	1012.1	1013.2	1016.0	1023.1	1024.2
37.5°	964.7	969.9	972.4	980.0	980.9
40°	917.1	920.4	927.7	935.7	939.6
42.5°	868.6	872.4	876.8	887.8	891.3
45°	820.1	821.5	826.9	837.9	842.8
47.5°	766.4	770.8	775.5	785.1	788.0
50°	712.7	717.4	720.4	728.9	734.7
52.5°	658.5	662.8	666.1	671.4	677.1
55°	599.0	603.2	608.6	614.4	615.7
57.5°	538.5	543.2	546.7	552.8	559.1
60°	473.6	479.0	483.7	489.5	495.8
62.5°	413.3	415.6	420.4	430.0	439.1
65°	355.6	358.5	359.4	364.8	373.9
67.5°	307.6	307.6	303.3	305.2	315.3
70°	257.2	255.3	252.0	250.1	258.3
72.5°	216.4	214.0	206.8	203.5	207.9
75°	175.6	173.2	165.5	161.7	162.2
77.5°	141.1	137.2	131.0	124.3	122.9
80°	107.1	105.5	99.4	93.1	88.2
82.5°	75.9	72.5	69.1	65.2	61.4
85°	45.5	44.6	41.3	38.9	35.6
87.5°	18.7	18.7	17.8	16.7	15.9
90°	0.0	0.0	0.0	0.0	0.0



— 0°-180° - - 45°-225° 90°-270°

(END OF REPORT)