

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: P1050534

Luminaire Tested: 24PTR-40-L940-UNV-STD-W

Issue Date: 7/11/2025

Test Information

Test Method: LM-79-2019
Report Number: P1050534
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-L940-UNV-STD-W
Description: 4000 LUMEN 2X4 PERCEIVE PT TROFFER WITH 4000K, 90 CRI LEDS AND FROSTED LENS

Light Source:
Ballast/Driver: -

Summary

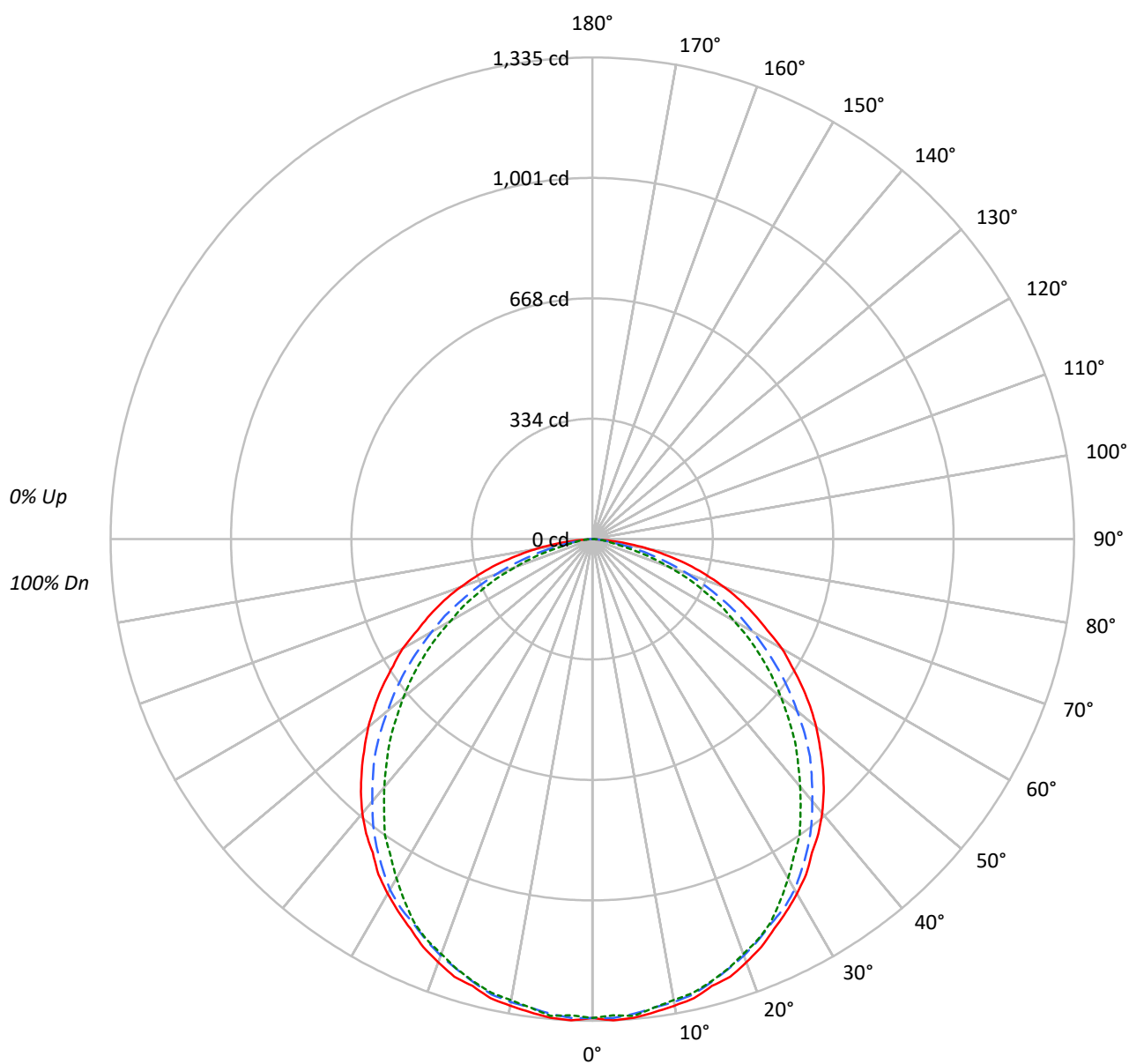
Lumens per Lamp: N/A
Luminaire Lumens: 3535.2 lumens
Efficiency: N/A
Efficacy: 107.1 lumens/watt
Spacing Criteria (0/90/45): 1.27 / 1.21 / 1.35
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

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

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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	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°	1786	1786	1786
5°	1799	1784	1791
10°	1794	1780	1772
15°	1786	1772	1768
20°	1787	1759	1752
25°	1770	1744	1738
30°	1762	1743	1686
35°	1742	1711	1645
40°	1741	1666	1574
45°	1719	1623	1512
50°	1696	1550	1429
55°	1663	1478	1342
60°	1634	1383	1219
65°	1578	1268	1090
70°	1527	1104	889
75°	1434	871	612
80°	1244	527	367
85°	831	378	354

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 1719 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	125.8	3.6
10°-20°	360.0	10.2
20°-30°	543.8	15.4
30°-40°	646.5	18.3
40°-50°	655.7	18.5
50°-60°	569.4	16.1
60°-70°	404.2	11.4
70°-80°	193.2	5.5
80°-90°	36.6	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°	1029.6	29.1
0°-40°	1676.1	47.4
0°-60°	2901.2	82.1
0°-90°	3535.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3535.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1327	1327	1327	1327	1327	
5°	1332	1327	1321	1324	1326	126
15°	1282	1285	1272	1270	1270	363
25°	1192	1190	1175	1179	1171	551
35°	1061	1059	1042	1006	1002	667
45°	904	896	853	808	794	697
55°	709	688	630	593	572	634
65°	496	458	398	356	342	491
75°	276	225	168	133	118	289
85°	54	28	24	24	23	68
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1327.2	1327.2	1327.2	1327.2	1327.2
2.5°	1335.1	1330.3	1328.7	1334.3	1320.8
5°	1331.9	1327.2	1320.8	1324.0	1326.4
7.5°	1322.4	1318.5	1309.8	1316.9	1309.8
10°	1312.9	1309.0	1302.7	1305.0	1297.1
12.5°	1303.5	1294.0	1292.4	1294.0	1288.4
15°	1282.1	1285.3	1271.8	1270.3	1269.5
17.5°	1271.8	1263.9	1249.7	1250.5	1248.9
20°	1248.1	1238.6	1228.4	1226.8	1223.6
22.5°	1223.6	1212.5	1203.1	1207.8	1200.7
25°	1192.0	1190.4	1174.6	1179.4	1170.7
27.5°	1164.3	1158.8	1151.7	1141.4	1128.8
30°	1134.3	1128.8	1121.6	1094.8	1085.3
32.5°	1102.7	1096.4	1082.1	1050.5	1040.2
35°	1060.8	1059.2	1041.8	1006.2	1001.5
37.5°	1029.2	1011.8	997.5	961.2	947.7
40°	991.2	981.7	948.5	913.8	896.4
42.5°	949.3	938.3	900.3	863.2	844.2
45°	903.5	895.6	852.9	807.8	794.4
47.5°	856.1	848.9	798.4	754.9	737.5
50°	810.2	801.5	740.7	698.8	682.9
52.5°	760.4	746.2	686.1	645.0	630.0
55°	709.0	687.7	630.0	592.8	572.3
57.5°	654.5	634.7	570.7	532.0	515.4
60°	607.1	579.4	513.8	474.3	452.9
62.5°	546.2	522.5	460.0	413.4	403.1
65°	495.6	458.5	398.4	355.7	342.3
67.5°	444.2	400.8	339.9	296.4	289.3
70°	388.1	343.1	280.6	237.9	226.1
72.5°	331.2	286.9	226.1	181.0	173.9
75°	275.9	225.3	167.6	132.8	117.8
77.5°	215.8	169.9	117.8	81.4	71.9
80°	160.5	114.6	68.0	48.2	47.4
82.5°	105.1	66.4	36.4	37.2	35.6
85°	53.8	28.5	24.5	23.7	22.9
87.5°	10.3	11.1	11.9	11.9	11.9
90°	0.0	0.0	0.0	0.0	0.0



— 0°-180° - - 45°-225° 90°-270°

(END OF REPORT)