

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: P1050842

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

Issue Date: 7/11/2025

Test Information

Test Method: LM-79-2019
Report Number: P1050842
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2409-224-3)
Test Lab: INNOVATION CENTER
Issue Date: 7/11/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: 24PTR-40-PLG-L940-UNV-STD-W
Description: 4000 LUMEN 2X4 PERCEIVE PT TROFFER WITH 4000K, 90 CRI LEDS AND LOW GLARE LENS

Light Source:
Ballast/Driver: -

Summary

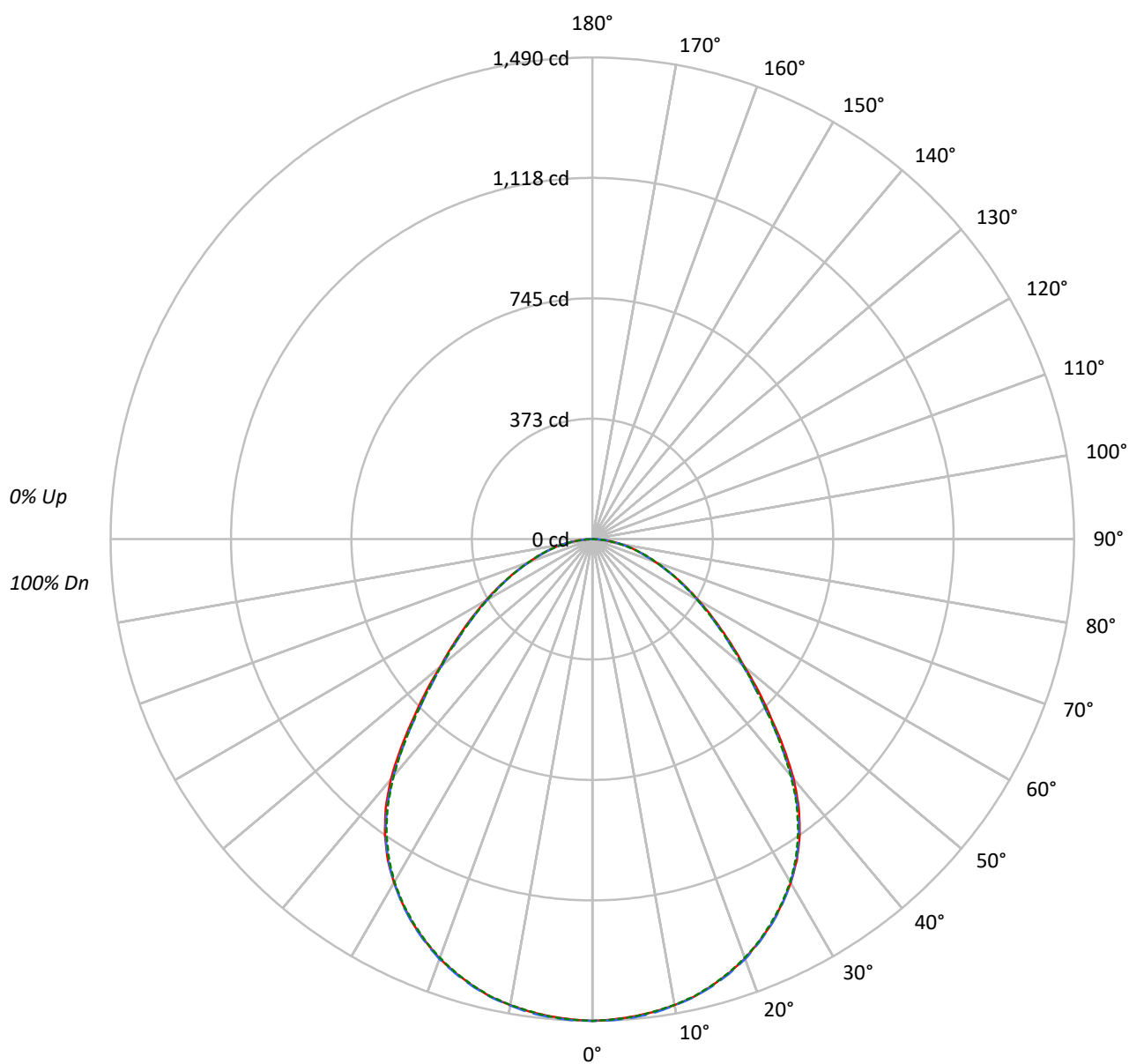
Lumens per Lamp: N/A
Luminaire Lumens: 3358.4 lumens
Efficiency: N/A
Efficacy: 101.8 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.22 / 1.26
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

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	100		100
1	110	106	102	98	107	103	100	97	99	96	94	95	93	91	92	90	88	86		86
2	101	94	87	82	99	92	86	81	88	84	79	85	81	78	82	79	76	74		74
3	93	83	76	70	91	82	75	69	79	73	68	76	71	67	74	69	66	64		64
4	86	75	67	60	84	73	66	60	71	64	59	69	63	58	67	62	58	56		56
5	79	67	59	53	77	66	58	53	64	57	52	62	56	51	61	55	51	49		49
6	74	61	53	47	72	60	52	47	58	51	46	57	51	46	55	50	45	43		43
7	69	56	48	42	67	55	47	42	54	46	41	52	46	41	51	45	41	39		39
8	64	51	43	38	62	51	43	38	49	42	37	48	42	37	47	41	37	35		35
9	60	47	39	34	59	47	39	34	46	39	34	44	38	34	43	38	34	32		32
10	56	44	36	31	55	43	36	31	42	36	31	41	35	31	40	35	31	29		29

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2005	2005	2005
5°	2002	2006	2003
10°	2000	2002	1999
15°	1992	1995	1991
20°	1977	1980	1974
25°	1949	1950	1944
30°	1906	1906	1901
35°	1837	1831	1823
40°	1702	1683	1678
45°	1487	1463	1469
50°	1284	1269	1275
55°	1141	1124	1126
60°	1022	1008	1008
65°	916	909	913
70°	824	816	824
75°	764	753	764
80°	713	705	680
85°	604	604	539

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 1487 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	141.1	4.2
10°-20°	403.8	12.0
20°-30°	604.1	18.0
30°-40°	692.2	20.6
40°-50°	598.7	17.8
50°-60°	433.3	12.9
60°-70°	285.4	8.5
70°-80°	155.3	4.6
80°-90°	44.5	1.3
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°	1149.0	34.2
0°-40°	1841.2	54.8
0°-60°	2873.1	85.6
0°-90°	3358.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3358.4	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1490	1490	1490	1490	1490	
5°	1482	1485	1485	1485	1483	141
15°	1430	1431	1432	1434	1429	403
25°	1313	1313	1314	1315	1310	604
35°	1118	1117	1115	1114	1110	695
45°	782	780	769	768	772	605
55°	487	484	479	476	480	438
65°	288	290	286	284	287	287
75°	147	147	145	145	147	157
85°	39	39	39	40	35	45
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1490.4	1490.4	1490.4	1490.4	1490.4
2.5°	1487.3	1490.4	1489.4	1490.4	1487.3
5°	1482.0	1485.1	1485.1	1485.1	1483.0
7.5°	1474.6	1476.7	1477.7	1478.8	1473.5
10°	1464.0	1466.1	1465.0	1467.2	1462.9
12.5°	1450.2	1450.2	1451.3	1453.4	1449.2
15°	1430.1	1431.2	1432.2	1434.4	1429.1
17.5°	1406.9	1407.9	1409.0	1410.0	1405.8
20°	1380.4	1380.4	1382.5	1383.6	1378.3
22.5°	1347.6	1347.6	1349.7	1352.9	1346.6
25°	1312.7	1312.7	1313.8	1314.8	1309.5
27.5°	1271.5	1271.5	1272.5	1275.7	1269.3
30°	1227.0	1226.0	1227.0	1228.1	1223.9
32.5°	1177.3	1176.3	1175.2	1176.3	1171.0
35°	1118.1	1117.0	1114.9	1113.9	1109.6
37.5°	1049.3	1047.2	1043.0	1043.0	1038.8
40°	968.9	963.6	958.4	956.2	955.2
42.5°	875.9	871.6	864.2	863.2	863.2
45°	781.7	779.6	769.0	768.0	772.2
47.5°	697.1	691.8	682.3	680.2	686.5
50°	613.5	614.6	606.1	602.9	609.3
52.5°	547.9	545.8	538.4	536.3	541.6
55°	486.6	484.5	479.2	476.0	480.2
57.5°	430.5	429.5	424.2	423.1	425.2
60°	379.7	378.7	374.5	373.4	374.5
62.5°	332.1	332.1	327.9	325.8	329.0
65°	287.7	289.8	285.6	283.5	286.7
67.5°	247.5	249.6	245.4	243.3	247.5
70°	209.4	211.6	207.3	205.2	209.4
72.5°	176.7	177.7	174.5	173.5	178.8
75°	147.0	147.0	144.9	144.9	147.0
77.5°	119.5	118.5	117.4	117.4	115.3
80°	92.0	91.0	91.0	91.0	87.8
82.5°	65.6	63.5	64.5	65.6	60.3
85°	39.1	39.1	39.1	40.2	34.9
87.5°	15.9	15.9	14.8	15.9	13.8
90°	0.0	0.0	0.0	0.0	0.0



— 0°-180° - - 45°-225° 90°-270°

(END OF REPORT)