

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: P1050820

Luminaire Tested: 24PTR-40-PLG-L930-UNV-STD-W

Issue Date: 7/11/2025

Test Information

Test Method: LM-79-2019
Report Number: P1050820
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-L930-UNV-STD-W
Description: 4000 LUMEN 2X4 PERCEIVE PT TROFFER WITH 3000K, 90 CRI LEDS AND LOW GLARE LENS

Light Source:
Ballast/Driver: -

Summary

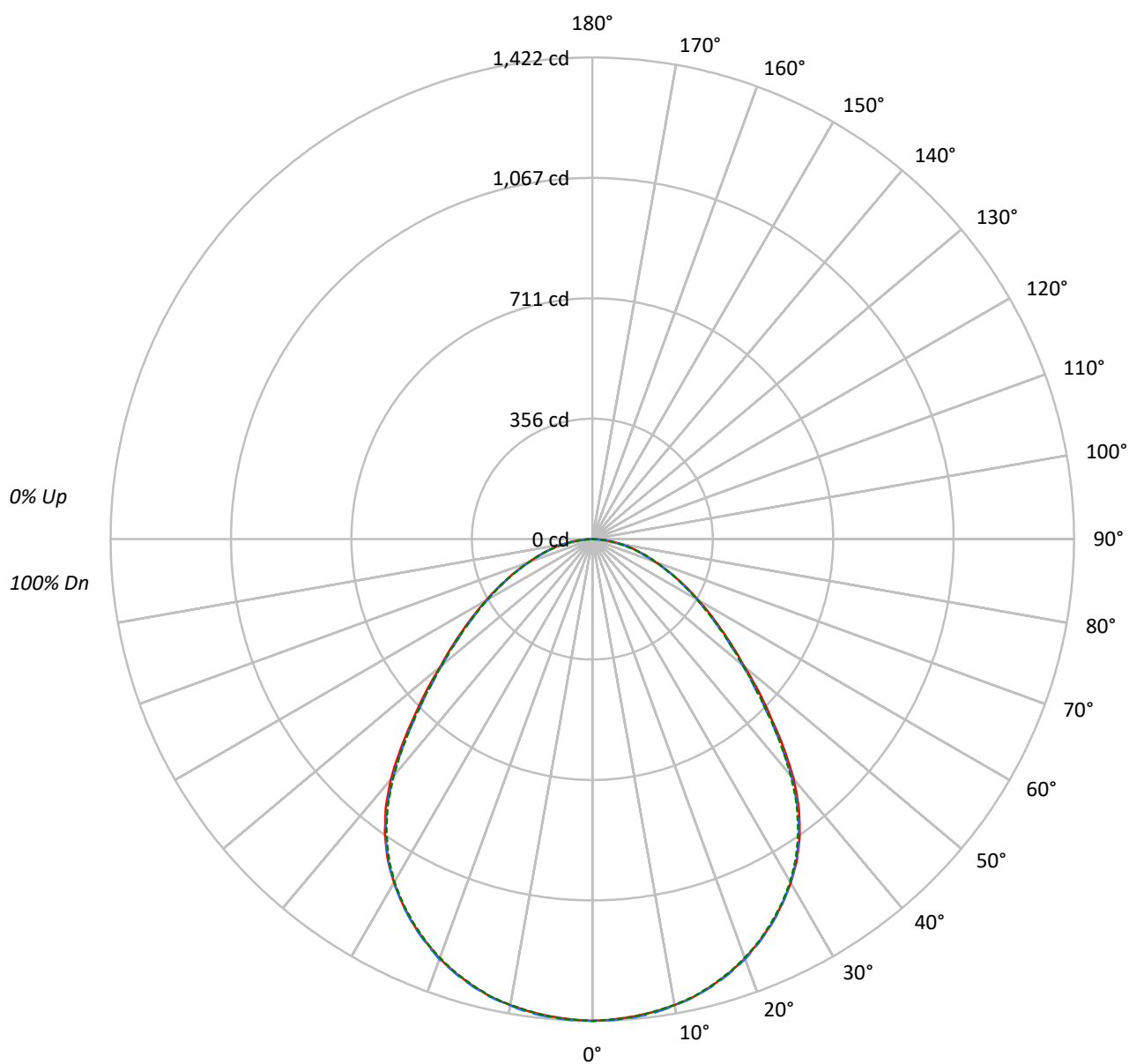
Lumens per Lamp: N/A
Luminaire Lumens: 3205.2 lumens
Efficiency: N/A
Efficacy: 97.1 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.22 / 1.26
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

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

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1914	1914	1914
5°	1910	1914	1912
10°	1909	1910	1908
15°	1901	1904	1900
20°	1886	1889	1883
25°	1860	1861	1855
30°	1819	1819	1815
35°	1753	1748	1739
40°	1624	1606	1601
45°	1419	1396	1402
50°	1226	1211	1217
55°	1089	1073	1075
60°	975	962	962
65°	874	868	871
70°	786	779	786
75°	729	719	729
80°	680	673	649
85°	577	577	514

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 1419 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	134.7	4.2
10°-20°	385.3	12.0
20°-30°	576.6	18.0
30°-40°	660.6	20.6
40°-50°	571.3	17.8
50°-60°	413.5	12.9
60°-70°	272.4	8.5
70°-80°	148.3	4.6
80°-90°	42.5	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°	1096.6	34.2
0°-40°	1757.2	54.8
0°-60°	2742.0	85.6
0°-90°	3205.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3205.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1422	1422	1422	1422	1422	
5°	1414	1417	1417	1417	1415	134
15°	1365	1366	1367	1369	1364	385
25°	1253	1253	1254	1255	1250	576
35°	1067	1066	1064	1063	1059	663
45°	746	744	734	733	737	578
55°	464	462	457	454	458	418
65°	275	277	273	271	274	274
75°	140	140	138	138	140	149
85°	37	37	37	38	33	43
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1422.4	1422.4	1422.4	1422.4	1422.4
2.5°	1419.4	1422.4	1421.4	1422.4	1419.4
5°	1414.4	1417.4	1417.4	1417.4	1415.4
7.5°	1407.3	1409.3	1410.3	1411.3	1406.3
10°	1397.2	1399.2	1398.2	1400.2	1396.2
12.5°	1384.1	1384.1	1385.1	1387.1	1383.1
15°	1364.9	1365.9	1366.9	1368.9	1363.9
17.5°	1342.7	1343.7	1344.7	1345.7	1341.7
20°	1317.4	1317.4	1319.5	1320.5	1315.4
22.5°	1286.1	1286.1	1288.2	1291.2	1285.1
25°	1252.8	1252.8	1253.8	1254.9	1249.8
27.5°	1213.5	1213.5	1214.5	1217.5	1211.4
30°	1171.1	1170.1	1171.1	1172.1	1168.0
32.5°	1123.6	1122.6	1121.6	1122.6	1117.6
35°	1067.1	1066.1	1064.0	1063.0	1059.0
37.5°	1001.5	999.4	995.4	995.4	991.4
40°	924.7	919.7	914.6	912.6	911.6
42.5°	835.9	831.9	824.8	823.8	823.8
45°	746.0	744.0	733.9	732.9	737.0
47.5°	665.3	660.2	651.1	649.1	655.2
50°	585.5	586.5	578.5	575.4	581.5
52.5°	522.9	520.9	513.9	511.8	516.9
55°	464.4	462.4	457.3	454.3	458.3
57.5°	410.9	409.9	404.8	403.8	405.8
60°	362.4	361.4	357.4	356.4	357.4
62.5°	317.0	317.0	313.0	310.9	314.0
65°	274.6	276.6	272.6	270.6	273.6
67.5°	236.2	238.3	234.2	232.2	236.2
70°	199.9	201.9	197.9	195.8	199.9
72.5°	168.6	169.6	166.6	165.6	170.6
75°	140.3	140.3	138.3	138.3	140.3
77.5°	114.1	113.1	112.1	112.1	110.0
80°	87.8	86.8	86.8	86.8	83.8
82.5°	62.6	60.6	61.6	62.6	57.5
85°	37.4	37.4	37.4	38.4	33.3
87.5°	15.1	15.1	14.1	15.1	13.1
90°	0.0	0.0	0.0	0.0	0.0



— 0°-180° - - 45°-225° 90°-270°

(END OF REPORT)