

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: P1050775

Luminaire Tested: 24PTR-35-PLG-L830-UNV-STD-W

Issue Date: 7/11/2025

Test Information

Test Method: LM-79-2019
Report Number: P1050775
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-35-PLG-L830-UNV-STD-W
Description: 3500 LUMEN 2X4 PERCEIVE PT TROFFER WITH 3000K, 80 CRI LEDS AND LOW GLARE LENS

Light Source:
Ballast/Driver: -

Summary

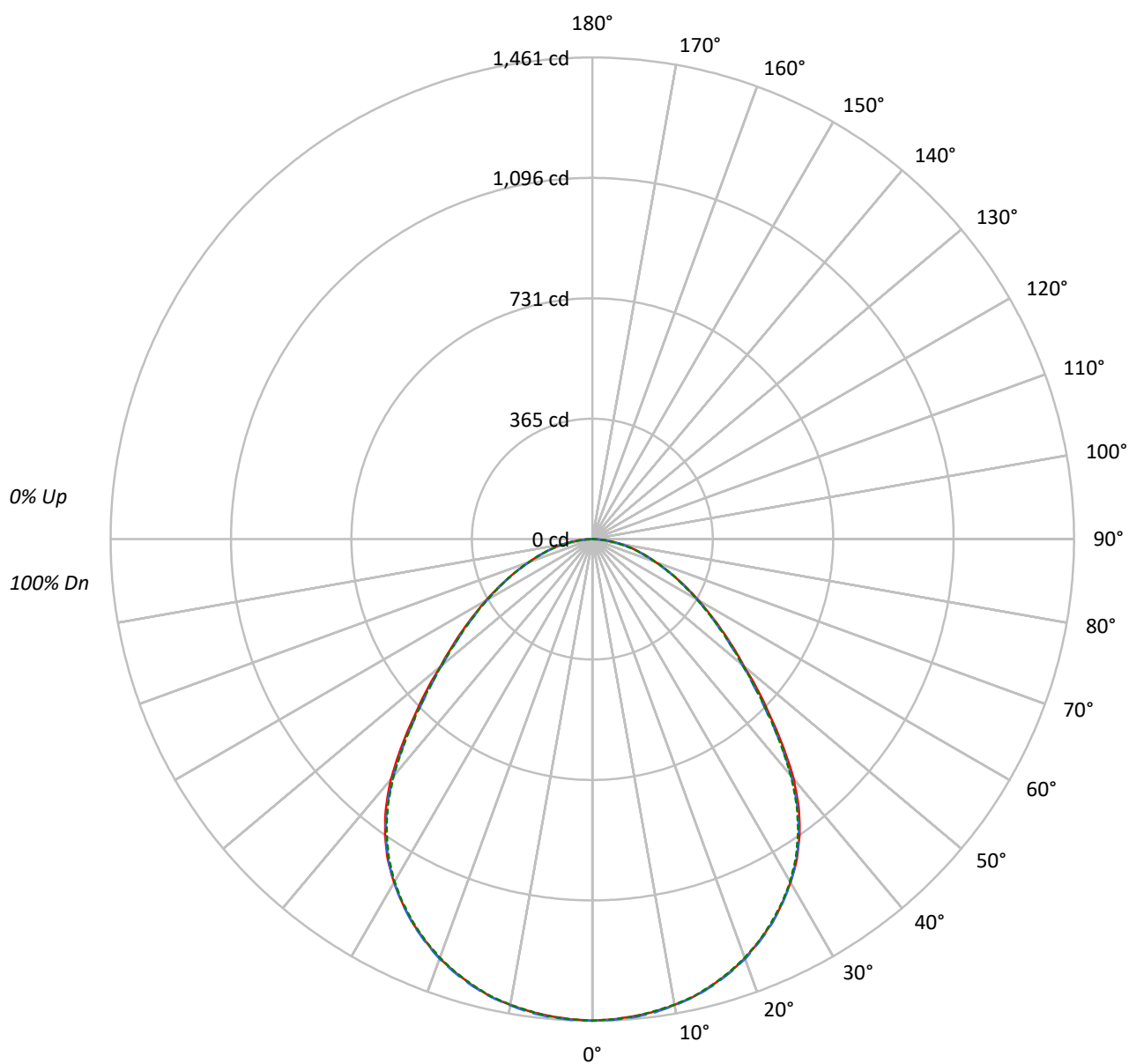
Lumens per Lamp: N/A
Luminaire Lumens: 3291.6 lumens
Efficiency: N/A
Efficacy: 117.6 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.22 / 1.26
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 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

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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°	1965	1965	1965
5°	1962	1966	1963
10°	1960	1962	1959
15°	1953	1955	1951
20°	1937	1940	1934
25°	1910	1912	1905
30°	1869	1869	1864
35°	1800	1795	1786
40°	1668	1650	1644
45°	1458	1434	1440
50°	1259	1244	1250
55°	1119	1102	1104
60°	1002	988	988
65°	898	891	895
70°	808	799	808
75°	749	738	749
80°	699	691	667
85°	593	593	528

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 1458 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	138.3	4.2
10°-20°	395.7	12.0
20°-30°	592.1	18.0
30°-40°	678.4	20.6
40°-50°	586.7	17.8
50°-60°	424.6	12.9
60°-70°	279.7	8.5
70°-80°	152.3	4.6
80°-90°	43.7	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°	1126.2	34.2
0°-40°	1804.6	54.8
0°-60°	2816.0	85.6
0°-90°	3291.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3291.6	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1461	1461	1461	1461	1461	
5°	1452	1456	1456	1456	1454	138
15°	1402	1403	1404	1406	1401	395
25°	1287	1287	1288	1289	1284	592
35°	1096	1095	1093	1092	1088	681
45°	766	764	754	753	757	593
55°	477	475	470	466	471	429
65°	282	284	280	278	281	282
75°	144	144	142	142	144	154
85°	38	38	38	39	34	44
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1460.8	1460.8	1460.8	1460.8	1460.8
2.5°	1457.7	1460.8	1459.8	1460.8	1457.7
5°	1452.5	1455.6	1455.6	1455.6	1453.6
7.5°	1445.3	1447.3	1448.4	1449.4	1444.2
10°	1434.9	1437.0	1435.9	1438.0	1433.9
12.5°	1421.4	1421.4	1422.5	1424.5	1420.4
15°	1401.7	1402.8	1403.8	1405.9	1400.7
17.5°	1378.9	1379.9	1381.0	1382.0	1377.9
20°	1353.0	1353.0	1355.1	1356.1	1350.9
22.5°	1320.8	1320.8	1322.9	1326.0	1319.8
25°	1286.6	1286.6	1287.7	1288.7	1283.5
27.5°	1246.2	1246.2	1247.2	1250.3	1244.1
30°	1202.7	1201.6	1202.7	1203.7	1199.5
32.5°	1153.9	1152.9	1151.9	1152.9	1147.7
35°	1095.9	1094.8	1092.8	1091.7	1087.6
37.5°	1028.5	1026.4	1022.3	1022.3	1018.1
40°	949.7	944.5	939.3	937.2	936.2
42.5°	858.4	854.3	847.0	846.0	846.0
45°	766.2	764.1	753.7	752.7	756.8
47.5°	683.2	678.0	668.7	666.6	672.9
50°	601.3	602.4	594.1	591.0	597.2
52.5°	537.0	535.0	527.7	525.6	530.8
55°	476.9	474.8	469.7	466.5	470.7
57.5°	422.0	420.9	415.7	414.7	416.8
60°	372.2	371.2	367.0	366.0	367.0
62.5°	325.5	325.5	321.4	319.3	322.4
65°	282.0	284.1	279.9	277.9	281.0
67.5°	242.6	244.7	240.5	238.5	242.6
70°	205.3	207.4	203.2	201.1	205.3
72.5°	173.1	174.2	171.1	170.0	175.2
75°	144.1	144.1	142.0	142.0	144.1
77.5°	117.2	116.1	115.1	115.1	113.0
80°	90.2	89.2	89.2	89.2	86.1
82.5°	64.3	62.2	63.2	64.3	59.1
85°	38.4	38.4	38.4	39.4	34.2
87.5°	15.6	15.6	14.5	15.6	13.5
90°	0.0	0.0	0.0	0.0	0.0



— 0°-180° - - 45°-225° 90°-270°

(END OF REPORT)