

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: P1050898

Luminaire Tested: 24PTR-45-PP3-L930-UNV-STD-W

Issue Date: 7/11/2025

Test Information

Test Method: LM-79-2019
Report Number: P1050898
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P737727)
Test Lab: INNOVATION CENTER
Issue Date: 7/11/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: 24PTR-45-PP3-L930-UNV-STD-W
Description: 4500 LUMEN 2X4 PERCEIVE PT TROFFER WITH 3000K, 90 CRI LEDS AND PRISM LENS

Light Source:
Ballast/Driver: -

Summary

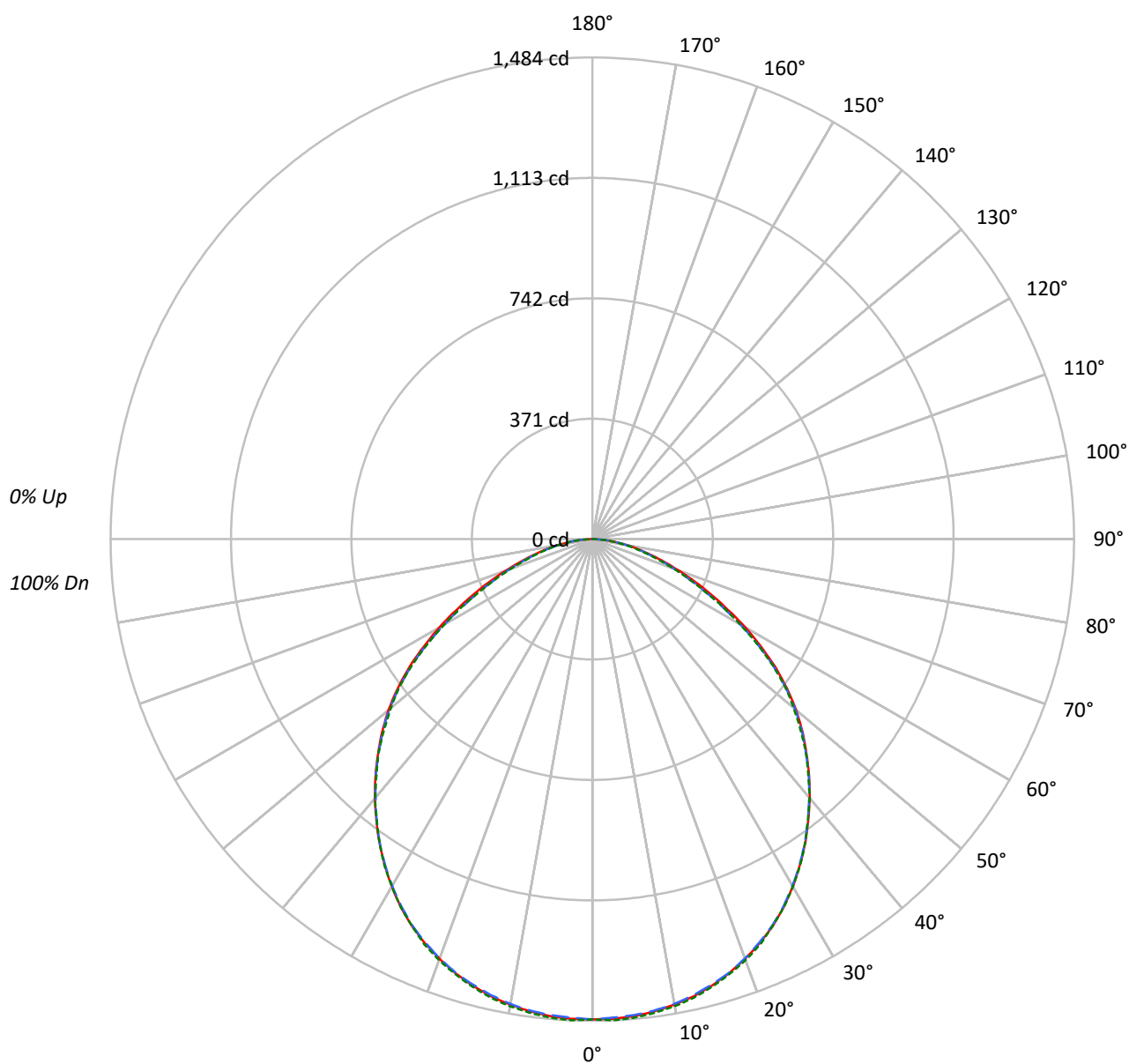
Lumens per Lamp: N/A
Luminaire Lumens: 3822.8 lumens
Efficiency: N/A
Efficacy: 103.3 lumens/watt
Spacing Criteria (0/90/45): 1.24 / 1.24 / 1.34
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 37
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	109	105	101	97	107	103	99	96	99	96	93	95	92	90	91	89	87	85		
2	100	92	86	80	97	90	84	79	87	82	78	84	79	76	81	77	74	72		
3	92	81	74	67	89	80	73	67	77	71	66	74	69	65	72	67	63	61		
4	84	73	64	58	82	71	63	57	69	62	56	66	60	56	64	59	55	53		
5	77	65	56	50	75	64	56	50	62	55	49	60	54	49	58	52	48	46		
6	72	59	50	44	70	58	50	44	56	49	43	54	48	43	53	47	42	40		
7	66	53	45	39	65	52	44	39	51	44	38	50	43	38	48	42	38	36		
8	62	49	40	35	60	48	40	35	47	39	34	45	39	34	44	38	34	32		
9	58	45	37	31	57	44	36	31	43	36	31	42	35	31	41	35	31	29		
10	54	41	34	28	53	41	33	28	40	33	28	39	33	28	38	32	28	26		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1991	1991	1991
5°	1992	1988	1999
10°	1990	1987	1996
15°	1983	1979	1988
20°	1970	1968	1977
25°	1953	1949	1952
30°	1920	1916	1920
35°	1878	1875	1877
40°	1830	1824	1829
45°	1775	1770	1772
50°	1716	1707	1695
55°	1615	1596	1591
60°	1466	1416	1419
65°	1287	1223	1221
70°	1113	1063	1050
75°	963	927	907
80°	853	841	803
85°	706	729	687

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°

Vertical Angle: 45°

Luminance: 1781 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	140.3	3.7
10°-20°	402.0	10.5
20°-30°	605.2	15.8
30°-40°	714.3	18.7
40°-50°	718.4	18.8
50°-60°	606.4	15.9
60°-70°	389.5	10.2
70°-80°	193.7	5.1
80°-90°	53.1	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°	1147.4	30.0
0°-40°	1861.7	48.7
0°-60°	3186.5	83.4
0°-90°	3822.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3822.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1480	1480	1480	1480	1480	
5°	1475	1476	1472	1479	1480	140
15°	1424	1424	1421	1427	1427	402
25°	1315	1316	1313	1316	1315	605
35°	1143	1144	1142	1143	1143	715
45°	933	936	930	931	931	720
55°	688	688	680	678	678	612
65°	404	398	384	380	383	403
75°	185	184	178	177	174	200
85°	46	47	47	44	44	54
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1479.5	1479.5	1479.5	1479.5	1479.5
2.5°	1479.0	1479.5	1475.6	1482.7	1483.8
5°	1475.2	1475.6	1471.9	1479.0	1479.9
7.5°	1467.6	1468.2	1464.9	1471.3	1472.5
10°	1456.3	1458.1	1454.2	1460.2	1461.2
12.5°	1442.5	1443.0	1439.1	1446.2	1447.3
15°	1423.7	1424.1	1421.0	1427.4	1427.4
17.5°	1402.1	1402.7	1400.5	1406.0	1405.4
20°	1375.9	1377.5	1374.8	1378.5	1380.6
22.5°	1347.4	1348.0	1344.7	1349.6	1351.7
25°	1315.2	1315.6	1313.1	1315.6	1314.6
27.5°	1277.6	1278.5	1274.8	1277.6	1278.2
30°	1235.6	1238.3	1233.1	1235.2	1235.6
32.5°	1190.5	1192.1	1188.4	1189.0	1191.7
35°	1143.3	1143.9	1141.8	1142.7	1142.7
37.5°	1092.4	1094.5	1091.2	1092.8	1090.6
40°	1041.8	1039.7	1038.5	1039.7	1041.3
42.5°	988.6	989.2	987.6	986.4	983.9
45°	932.8	936.1	930.0	931.2	931.2
47.5°	878.1	878.5	875.4	872.1	869.9
50°	819.6	819.6	815.7	813.1	809.8
52.5°	755.6	754.6	750.3	747.6	749.1
55°	688.4	687.9	680.4	677.7	678.3
57.5°	614.9	616.1	604.7	602.0	602.0
60°	544.6	539.2	526.3	522.6	527.3
62.5°	470.9	464.4	450.6	450.6	454.3
65°	404.3	398.5	384.0	380.1	383.4
67.5°	342.1	336.6	323.3	321.2	322.2
70°	283.0	278.3	270.1	265.2	266.9
72.5°	232.0	227.7	222.3	218.6	216.4
75°	185.2	184.2	178.4	176.6	174.5
77.5°	146.5	146.2	141.3	139.1	137.0
80°	110.1	109.5	108.5	105.2	103.6
82.5°	78.4	78.4	77.9	75.1	73.6
85°	45.7	47.2	47.2	44.5	44.5
87.5°	18.3	19.3	18.3	18.3	17.8
90°	0.0	0.0	0.0	0.0	0.0



— 0°-180° - - 45°-225° 90°-270°

(END OF REPORT)