

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: P1050986

Luminaire Tested: 24PTR-45-PR1-L935-UNV-STD-W

Issue Date: 7/11/2025

Test Information

Test Method: LM-79-2019
Report Number: P1050986
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P737735)
Test Lab: INNOVATION CENTER
Issue Date: 7/11/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: 24PTR-45-PR1-L935-UNV-STD-W
Description: 4500 LUMEN 2X4 PERCEIVE PT TROFFER WITH 3500K, 90 CRI LEDS AND RIPPLE LENS

Light Source:
Ballast/Driver: -

Summary

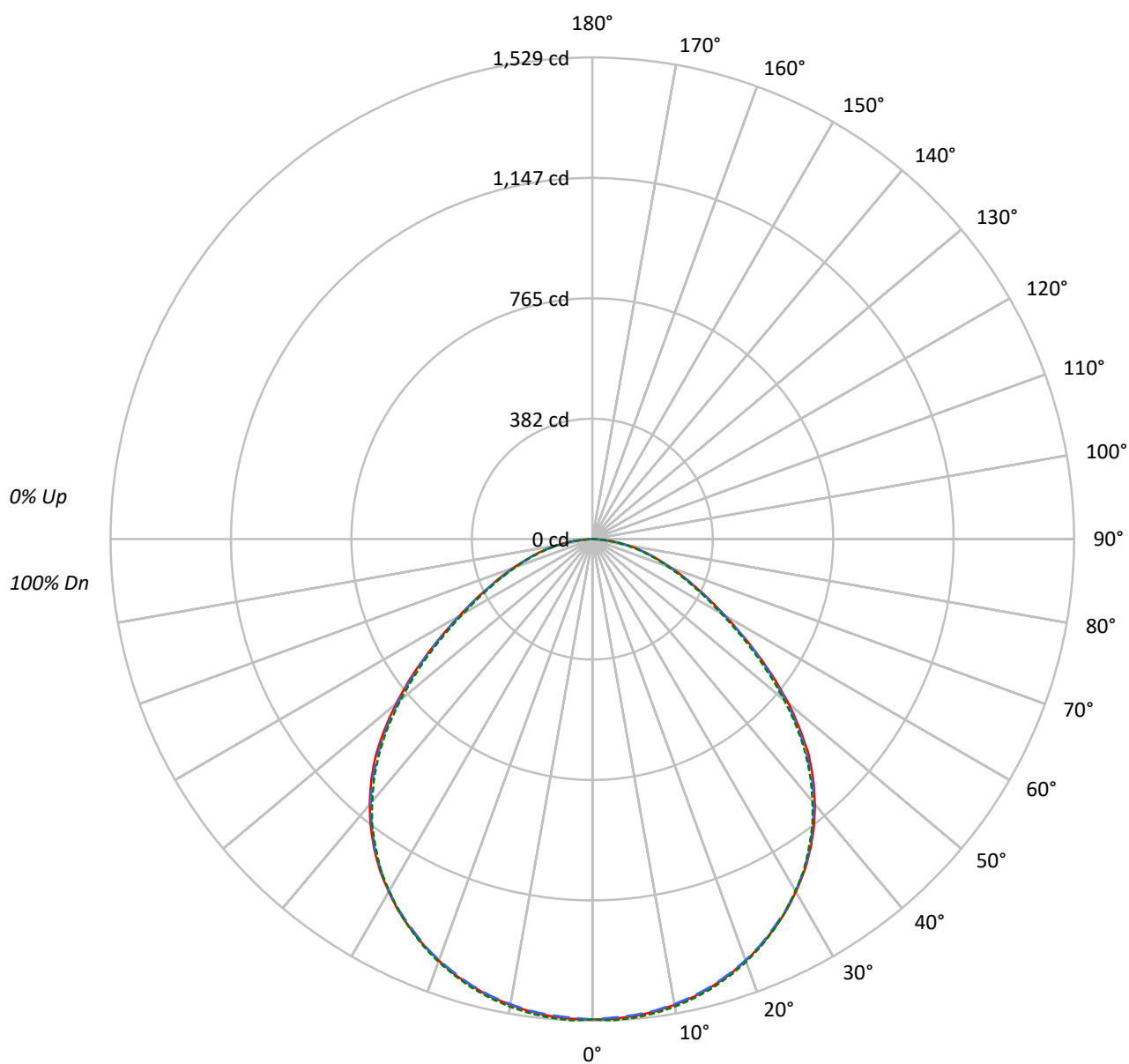
Lumens per Lamp: N/A
Luminaire Lumens: 3855.8 lumens
Efficiency: N/A
Efficacy: 104.2 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.26 / 1.34
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

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	110	105	101	98	107	103	99	96	99	96	93	95	92	90	91	89	88	85		
2	100	93	86	81	98	91	85	80	87	82	78	84	80	76	81	78	75	73		
3	92	82	74	68	90	80	73	68	78	71	66	75	70	65	72	68	64	62		
4	85	73	65	58	82	72	64	58	69	63	57	67	61	56	65	60	56	54		
5	78	66	57	51	76	65	56	50	62	55	50	61	54	49	59	53	49	47		
6	72	59	51	45	70	58	50	44	57	49	44	55	49	44	53	48	43	41		
7	67	54	45	40	65	53	45	39	52	44	39	50	44	39	49	43	39	37		
8	62	49	41	35	61	49	41	35	47	40	35	46	40	35	45	39	35	33		
9	58	45	37	32	57	45	37	32	44	37	32	43	36	32	42	36	31	30		
10	55	42	34	29	54	41	34	29	40	34	29	39	33	29	39	33	29	27		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2051	2051	2051
5°	2053	2049	2060
10°	2052	2048	2059
15°	2048	2045	2054
20°	2039	2037	2045
25°	2026	2021	2028
30°	2008	2005	2003
35°	1980	1976	1967
40°	1930	1923	1909
45°	1850	1829	1816
50°	1702	1683	1662
55°	1506	1500	1470
60°	1309	1304	1269
65°	1153	1147	1124
70°	1046	1032	1011
75°	969	947	929
80°	885	872	843
85°	699	693	665

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 1850 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	144.6	3.8
10°-20°	415.1	10.8
20°-30°	628.9	16.3
30°-40°	750.7	19.5
40°-50°	738.3	19.1
50°-60°	570.6	14.8
60°-70°	359.8	9.3
70°-80°	194.6	5.0
80°-90°	53.2	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°	1188.6	30.8
0°-40°	1939.3	50.3
0°-60°	3248.2	84.2
0°-90°	3855.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3855.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1525	1525	1525	1525	1525	
5°	1520	1521	1517	1523	1525	145
15°	1470	1470	1468	1473	1475	415
25°	1365	1366	1361	1366	1366	629
35°	1206	1206	1203	1201	1198	753
45°	972	968	961	954	954	744
55°	642	648	639	629	627	576
65°	362	363	360	354	353	365
75°	186	184	182	183	179	198
85°	45	46	45	45	43	54
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1524.6	1524.6	1524.6	1524.6	1524.6
2.5°	1524.0	1524.6	1520.3	1527.4	1529.0
5°	1520.3	1520.8	1516.9	1523.4	1525.2
7.5°	1512.5	1513.7	1509.9	1516.5	1518.1
10°	1501.6	1502.8	1499.0	1505.6	1507.1
12.5°	1488.1	1488.5	1485.3	1491.3	1492.9
15°	1470.0	1470.4	1467.8	1472.6	1474.8
17.5°	1449.2	1449.8	1446.0	1452.0	1452.9
20°	1424.2	1424.6	1422.4	1427.3	1427.9
22.5°	1396.2	1397.4	1394.0	1398.3	1398.9
25°	1364.6	1365.6	1361.2	1365.6	1366.2
27.5°	1331.2	1331.6	1327.9	1331.2	1330.6
30°	1292.3	1295.7	1290.7	1289.5	1289.1
32.5°	1252.0	1252.4	1247.7	1246.5	1248.6
35°	1205.6	1206.0	1202.8	1201.2	1197.8
37.5°	1154.7	1154.7	1148.6	1147.6	1147.0
40°	1098.9	1098.3	1094.6	1090.8	1086.8
42.5°	1038.2	1039.4	1031.6	1025.1	1024.1
45°	972.1	968.3	961.2	953.6	954.2
47.5°	894.0	895.0	885.3	879.2	877.6
50°	813.0	813.0	803.9	797.4	794.0
52.5°	728.5	729.1	720.3	711.6	709.8
55°	642.1	647.5	639.3	629.0	626.8
57.5°	561.3	565.7	557.9	547.0	546.4
60°	486.4	486.8	484.6	474.3	471.5
62.5°	422.5	419.7	418.5	413.2	409.8
65°	362.3	362.9	360.2	354.0	353.0
67.5°	313.7	313.1	308.1	304.4	302.2
70°	266.0	264.5	262.3	259.1	256.9
72.5°	223.6	223.6	221.8	220.8	217.0
75°	186.4	184.2	182.1	183.1	178.7
77.5°	150.9	148.7	146.9	144.7	143.7
80°	114.2	112.0	112.6	109.2	108.8
82.5°	79.2	79.2	78.2	75.4	76.0
85°	45.3	45.9	44.9	45.3	43.1
87.5°	16.5	16.9	18.1	16.9	16.9
90°	0.0	0.0	0.0	0.0	0.0



— 0°-180° - - 45°-225° 90°-270°

(END OF REPORT)