

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: P1050678

Luminaire Tested: 24PTR-45-PC3-L935-UNV-STD-W

Issue Date: 7/11/2025

Test Information

Test Method: LM-79-2019
Report Number: P1050678
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P737711)
Test Lab: INNOVATION CENTER
Issue Date: 7/11/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: 24PTR-45-PC3-L935-UNV-STD-W
Description: 4500 LUMEN 2X4 PERCEIVE PT TROFFER WITH 3500K, 90 CRI LEDS AND PARAMID LENS

Light Source:
Ballast/Driver: -

Summary

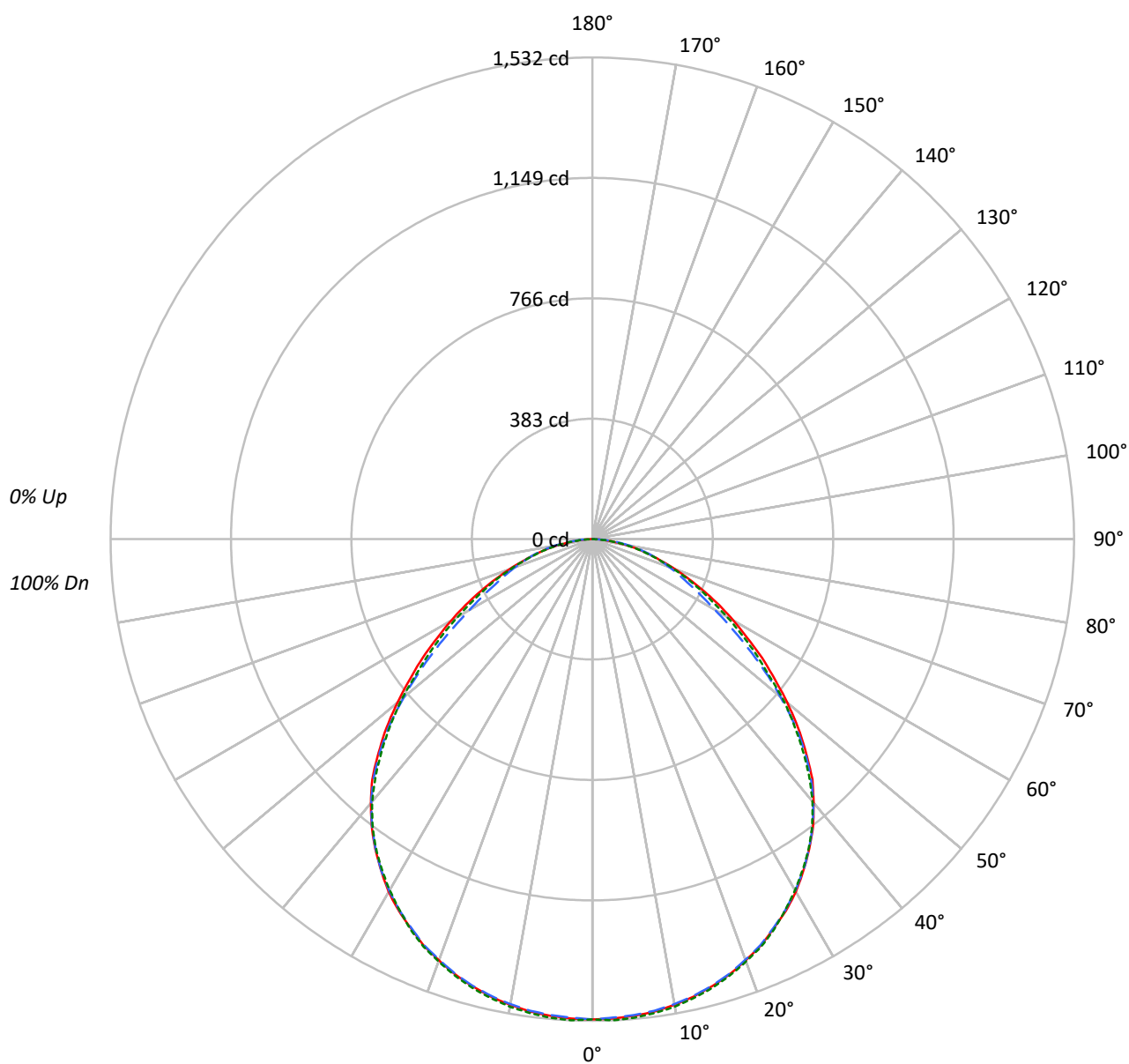
Lumens per Lamp: N/A
Luminaire Lumens: 3850.9 lumens
Efficiency: N/A
Efficacy: 104.1 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.25 / 1.34
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

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

TEST NUMBER: P1050678

CATALOG NUMBER: 24PTR-45-PC3-L935-UNV-STD-W

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	87	85		
2	100	93	86	81	98	91	85	80	87	82	78	84	80	76	81	78	75	72		
3	92	82	74	68	90	80	73	68	77	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	46	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	40	33	29	39	33	29	27		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2055	2055	2055
5°	2056	2052	2064
10°	2056	2052	2063
15°	2051	2049	2058
20°	2042	2038	2047
25°	2028	2025	2032
30°	2013	2006	2002
35°	1976	1974	1971
40°	1924	1921	1912
45°	1830	1816	1798
50°	1694	1637	1655
55°	1545	1420	1484
60°	1394	1211	1329
65°	1245	1084	1195
70°	1105	1025	1074
75°	977	994	958
80°	843	949	838
85°	631	750	631

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°

Vertical Angle: 45°

Luminance: 1834 cd/sqm

TEST NUMBER: P1050678

CATALOG NUMBER: 24PTR-45-PC3-L935-UNV-STD-W

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	144.9	3.8
10°-20°	415.8	10.8
20°-30°	629.6	16.3
30°-40°	750.6	19.5
40°-50°	733.4	19.0
50°-60°	560.8	14.6
60°-70°	360.1	9.3
70°-80°	200.3	5.2
80°-90°	55.3	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°	1190.3	30.9
0°-40°	1940.9	50.4
0°-60°	3235.2	84.0
0°-90°	3850.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3850.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1528	1528	1528	1528	1528	
5°	1522	1523	1519	1526	1528	145
15°	1472	1474	1471	1476	1477	416
25°	1366	1368	1364	1368	1369	630
35°	1203	1204	1202	1201	1200	752
45°	962	964	954	952	945	740
55°	659	636	605	613	633	589
65°	391	361	340	352	375	390
75°	188	190	191	189	184	201
85°	41	48	49	47	41	50
90°	0	0	0	0	0	

TEST NUMBER: P1050678

CATALOG NUMBER: 24PTR-45-PC3-L935-UNV-STD-W

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1527.5	1527.5	1527.5	1527.5	1527.5
2.5°	1526.5	1527.1	1523.1	1529.6	1531.8
5°	1522.1	1523.1	1519.3	1526.5	1528.0
7.5°	1515.5	1516.5	1512.8	1519.9	1520.5
10°	1504.6	1505.2	1501.8	1509.0	1510.0
12.5°	1489.9	1491.5	1487.8	1494.3	1494.7
15°	1472.3	1473.5	1470.7	1475.6	1477.2
17.5°	1451.6	1452.2	1449.4	1454.8	1455.4
20°	1425.8	1425.8	1423.6	1429.8	1429.8
22.5°	1399.6	1398.0	1397.4	1399.6	1403.0
25°	1365.9	1367.5	1363.7	1368.1	1369.0
27.5°	1333.1	1333.1	1329.7	1331.9	1329.2
30°	1295.4	1293.2	1291.0	1291.4	1288.9
32.5°	1249.9	1249.9	1249.0	1249.0	1245.6
35°	1203.1	1204.1	1201.9	1201.3	1199.7
37.5°	1152.7	1154.5	1150.5	1149.5	1148.3
40°	1095.3	1095.3	1093.7	1091.5	1088.8
42.5°	1035.8	1035.8	1028.8	1023.3	1019.5
45°	961.5	963.7	954.4	952.2	944.7
47.5°	887.7	886.1	873.6	872.0	867.6
50°	809.1	799.8	781.9	786.7	790.6
52.5°	730.5	719.0	692.8	698.1	704.7
55°	658.8	636.0	605.4	613.0	632.6
57.5°	584.0	553.4	522.8	537.1	561.6
60°	517.9	483.5	450.2	465.5	493.9
62.5°	454.6	418.0	391.2	405.9	429.9
65°	391.2	361.1	340.4	351.7	375.4
67.5°	333.3	313.0	298.9	304.3	323.4
70°	280.9	268.2	260.6	262.2	273.1
72.5°	231.1	227.9	225.1	225.1	226.1
75°	188.0	189.6	191.2	188.6	184.2
77.5°	148.1	153.4	157.4	151.9	146.5
80°	108.8	117.5	122.5	116.3	108.2
82.5°	74.2	84.2	85.8	82.0	72.7
85°	40.9	48.0	48.6	47.0	40.9
87.5°	15.3	18.1	19.7	18.1	15.9
90°	0.0	0.0	0.0	0.0	0.0



— 0°-180° - - 45°-225° 90°-270°

(END OF REPORT)