

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: P1050910

Luminaire Tested: 24PTR-50-PP3-L935-UNV-STD-W

Issue Date: 7/11/2025

Test Information

Test Method: LM-79-2019
Report Number: P1050910
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-50-PP3-L935-UNV-STD-W
Description: 5000 LUMEN 2X4 PERCEIVE PT TROFFER WITH 3500K, 90 CRI LEDS AND PRISM LENS

Light Source:
Ballast/Driver: -

Summary

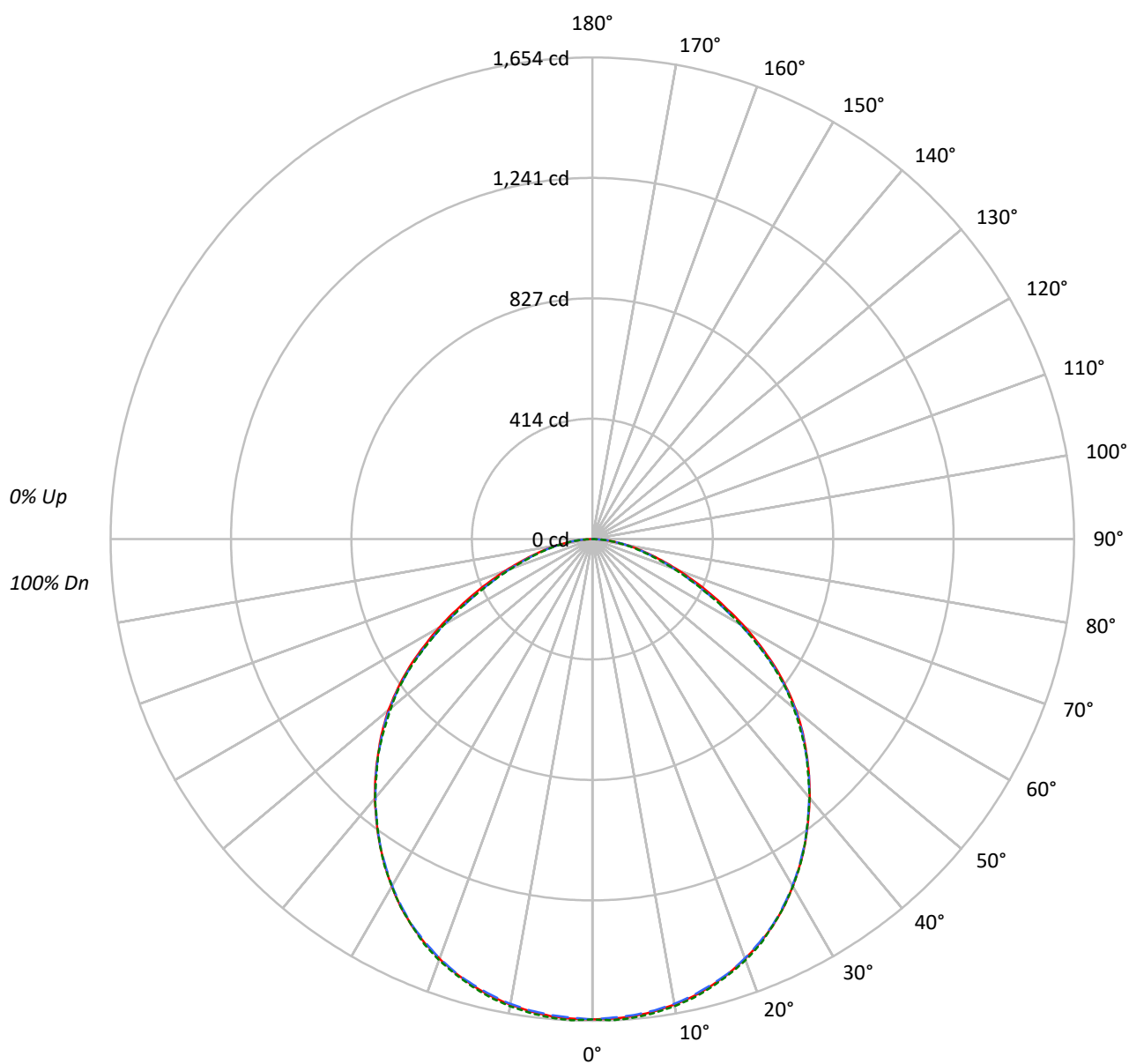
Lumens per Lamp: N/A
Luminaire Lumens: 4260.2 lumens
Efficiency: N/A
Efficacy: 103.9 lumens/watt
Spacing Criteria (0/90/45): 1.24 / 1.24 / 1.34
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 41
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: P1050910

CATALOG NUMBER: 24PTR-50-PP3-L935-UNV-STD-W

Luminous Intensity Polar Plot



TEST NUMBER: P1050910

CATALOG NUMBER: 24PTR-50-PP3-L935-UNV-STD-W

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°	2219	2219	2219
5°	2221	2216	2228
10°	2217	2214	2225
15°	2210	2206	2216
20°	2196	2194	2203
25°	2176	2173	2175
30°	2139	2135	2139
35°	2093	2090	2092
40°	2039	2033	2038
45°	1978	1972	1975
50°	1912	1903	1889
55°	1800	1779	1773
60°	1633	1578	1581
65°	1435	1363	1360
70°	1240	1184	1170
75°	1073	1033	1011
80°	951	937	895
85°	786	812	766

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°

Vertical Angle: 45°

Luminance: 1985 cd/sqm

TEST NUMBER: P1050910

CATALOG NUMBER: 24PTR-50-PP3-L935-UNV-STD-W

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	156.4	3.7
10°-20°	448.0	10.5
20°-30°	674.4	15.8
30°-40°	796.0	18.7
40°-50°	800.6	18.8
50°-60°	675.9	15.9
60°-70°	434.0	10.2
70°-80°	215.9	5.1
80°-90°	59.1	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°	1278.8	30.0
0°-40°	2074.8	48.7
0°-60°	3551.2	83.4
0°-90°	4260.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4260.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1649	1649	1649	1649	1649	
5°	1644	1644	1640	1648	1649	156
15°	1587	1587	1584	1591	1591	448
25°	1466	1466	1463	1466	1465	674
35°	1274	1275	1272	1274	1274	796
45°	1040	1043	1036	1038	1038	802
55°	767	767	758	755	756	682
65°	451	444	428	424	427	449
75°	206	205	199	197	194	223
85°	51	53	53	50	50	60
90°	0	0	0	0	0	

TEST NUMBER: P1050910

CATALOG NUMBER: 24PTR-50-PP3-L935-UNV-STD-W

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1648.9	1648.9	1648.9	1648.9	1648.9
2.5°	1648.2	1648.9	1644.5	1652.3	1653.6
5°	1644.1	1644.5	1640.4	1648.2	1649.3
7.5°	1635.6	1636.2	1632.5	1639.7	1641.0
10°	1623.0	1624.9	1620.6	1627.3	1628.4
12.5°	1607.5	1608.2	1603.8	1611.7	1613.0
15°	1586.7	1587.1	1583.6	1590.8	1590.8
17.5°	1562.5	1563.2	1560.8	1566.9	1566.2
20°	1533.4	1535.1	1532.1	1536.2	1538.6
22.5°	1501.6	1502.3	1498.6	1504.0	1506.4
25°	1465.7	1466.2	1463.4	1466.2	1465.1
27.5°	1423.8	1424.9	1420.7	1423.8	1424.4
30°	1377.0	1380.1	1374.2	1376.6	1377.0
32.5°	1326.8	1328.5	1324.4	1325.0	1328.1
35°	1274.2	1274.8	1272.4	1273.5	1273.5
37.5°	1217.4	1219.8	1216.1	1217.8	1215.4
40°	1161.1	1158.7	1157.4	1158.7	1160.4
42.5°	1101.7	1102.4	1100.6	1099.3	1096.5
45°	1039.5	1043.2	1036.5	1037.8	1037.8
47.5°	978.6	979.0	975.6	971.9	969.5
50°	913.4	913.4	909.0	906.2	902.5
52.5°	842.0	841.0	836.2	833.1	834.9
55°	767.2	766.6	758.3	755.3	755.9
57.5°	685.2	686.6	673.9	670.9	670.9
60°	607.0	600.9	586.5	582.4	587.6
62.5°	524.8	517.6	502.1	502.1	506.3
65°	450.6	444.1	428.0	423.6	427.3
67.5°	381.2	375.1	360.3	358.0	359.0
70°	315.3	310.1	301.0	295.5	297.5
72.5°	258.6	253.8	247.7	243.6	241.2
75°	206.4	205.3	198.8	196.8	194.4
77.5°	163.3	162.9	157.4	155.1	152.7
80°	122.7	122.0	120.9	117.2	115.5
82.5°	87.4	87.4	86.8	83.7	82.0
85°	50.9	52.6	52.6	49.6	49.6
87.5°	20.4	21.5	20.4	20.4	19.8
90°	0.0	0.0	0.0	0.0	0.0



— 0°-180° - - 45°-225° 90°-270°

(END OF REPORT)