

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: P1050921

Luminaire Tested: 24PTR-50-PP3-L940-UNV-STD-W

Issue Date: 7/11/2025

Test Information

Test Method: LM-79-2019
Report Number: P1050921
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-L940-UNV-STD-W
Description: 5000 LUMEN 2X4 PERCEIVE PT TROFFER WITH 4000K, 90 CRI LEDS AND PRISM LENS

Light Source:
Ballast/Driver: -

Summary

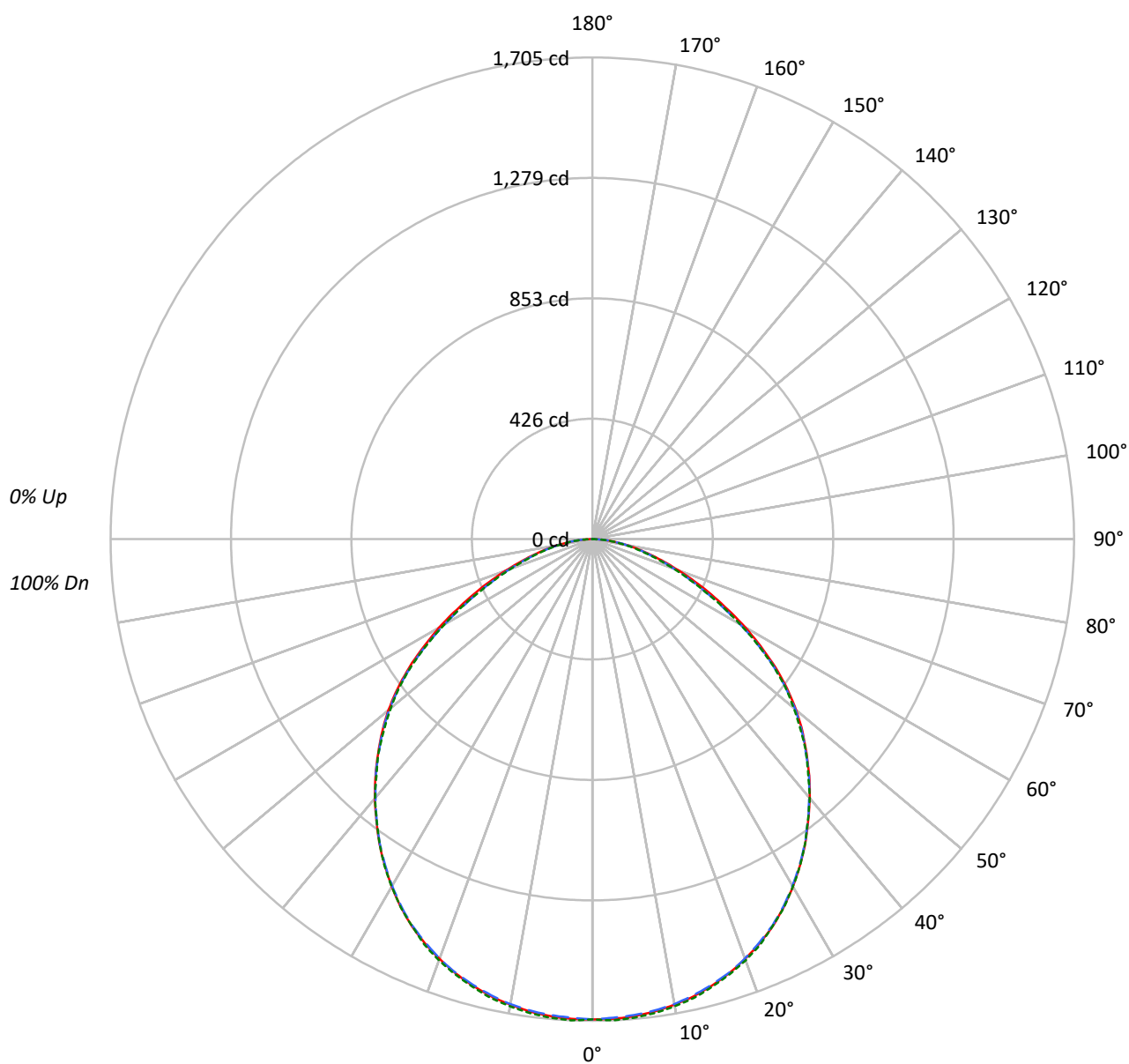
Lumens per Lamp: N/A
Luminaire Lumens: 4393.1 lumens
Efficiency: N/A
Efficacy: 107.1 lumens/watt
Spacing Criteria (0/90/45): 1.24 / 1.24 / 1.34
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

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: P1050921

CATALOG NUMBER: 24PTR-50-PP3-L940-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	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°	2288	2288	2288
5°	2290	2285	2297
10°	2287	2283	2294
15°	2279	2275	2285
20°	2264	2262	2272
25°	2244	2240	2243
30°	2206	2202	2206
35°	2158	2155	2157
40°	2103	2096	2102
45°	2040	2034	2036
50°	1972	1962	1948
55°	1856	1834	1829
60°	1684	1628	1630
65°	1479	1405	1403
70°	1279	1221	1207
75°	1106	1066	1042
80°	980	966	923
85°	810	838	789

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°

Vertical Angle: 45°

Luminance: 2047 cd/sqm

TEST NUMBER: P1050921

CATALOG NUMBER: 24PTR-50-PP3-L940-UNV-STD-W

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	161.2	3.7
10°-20°	461.9	10.5
20°-30°	695.5	15.8
30°-40°	820.8	18.7
40°-50°	825.5	18.8
50°-60°	696.9	15.9
60°-70°	447.6	10.2
70°-80°	222.6	5.1
80°-90°	61.0	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°	1318.7	30.0
0°-40°	2139.5	48.7
0°-60°	3661.9	83.4
0°-90°	4393.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4393.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1700	1700	1700	1700	1700	
5°	1695	1696	1692	1700	1701	161
15°	1636	1637	1633	1640	1640	462
25°	1512	1512	1509	1512	1511	695
35°	1314	1315	1312	1313	1313	821
45°	1072	1076	1069	1070	1070	827
55°	791	790	782	779	780	704
65°	465	458	441	437	441	463
75°	213	212	205	203	200	230
85°	52	54	54	51	51	62
90°	0	0	0	0	0	

TEST NUMBER: P1050921

CATALOG NUMBER: 24PTR-50-PP3-L940-UNV-STD-W

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1700.3	1700.3	1700.3	1700.3	1700.3
2.5°	1699.6	1700.3	1695.8	1703.9	1705.2
5°	1695.4	1695.8	1691.5	1699.6	1700.7
7.5°	1686.6	1687.3	1683.5	1690.9	1692.2
10°	1673.6	1675.6	1671.1	1678.1	1679.2
12.5°	1657.7	1658.4	1653.9	1661.9	1663.3
15°	1636.2	1636.6	1633.0	1640.4	1640.4
17.5°	1611.3	1611.9	1609.5	1615.7	1615.1
20°	1581.2	1583.0	1579.9	1584.1	1586.6
22.5°	1548.5	1549.1	1545.3	1550.9	1553.4
25°	1511.5	1511.9	1509.0	1511.9	1510.8
27.5°	1468.2	1469.3	1465.0	1468.2	1468.9
30°	1420.0	1423.1	1417.1	1419.5	1420.0
32.5°	1368.2	1370.0	1365.7	1366.4	1369.5
35°	1313.9	1314.6	1312.1	1313.2	1313.2
37.5°	1255.4	1257.8	1254.0	1255.8	1253.4
40°	1197.3	1194.8	1193.5	1194.8	1196.6
42.5°	1136.1	1136.7	1134.9	1133.6	1130.7
45°	1071.9	1075.7	1068.8	1070.1	1070.1
47.5°	1009.1	1009.6	1006.0	1002.2	999.7
50°	941.9	941.9	937.4	934.5	930.7
52.5°	868.3	867.2	862.3	859.1	860.9
55°	791.2	790.5	782.0	778.8	779.5
57.5°	706.6	708.0	695.0	691.8	691.8
60°	625.9	619.6	604.8	600.6	605.9
62.5°	541.1	533.7	517.8	517.8	522.1
65°	464.7	457.9	441.3	436.8	440.7
67.5°	393.1	386.8	371.6	369.1	370.2
70°	325.2	319.8	310.4	304.8	306.8
72.5°	266.6	261.7	255.4	251.2	248.7
75°	212.8	211.7	205.0	202.9	200.5
77.5°	168.4	168.0	162.4	159.9	157.4
80°	126.5	125.8	124.7	120.9	119.1
82.5°	90.1	90.1	89.5	86.3	84.5
85°	52.5	54.3	54.3	51.1	51.1
87.5°	21.1	22.2	21.1	21.1	20.4
90°	0.0	0.0	0.0	0.0	0.0



— 0°-180° - - 45°-225° 90°-270°

(END OF REPORT)