

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: P1050256

Luminaire Tested: PTR-14-50-PL1-L835-UNV-STD-W

Issue Date: 7/11/2025

Test Information

Test Method: LM-79-2019
Report Number: P1050256
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P737719)
Test Lab: INNOVATION CENTER
Issue Date: 7/11/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: PTR-14-50-PL1-L835-UNV-STD-W
Description: 8000 LUMEN 1X4 PERCEIVE PT TROFFER WITH 3500K, 80 CRI LEDS AND LEAVES LENS

Light Source:
Ballast/Driver: -

Summary

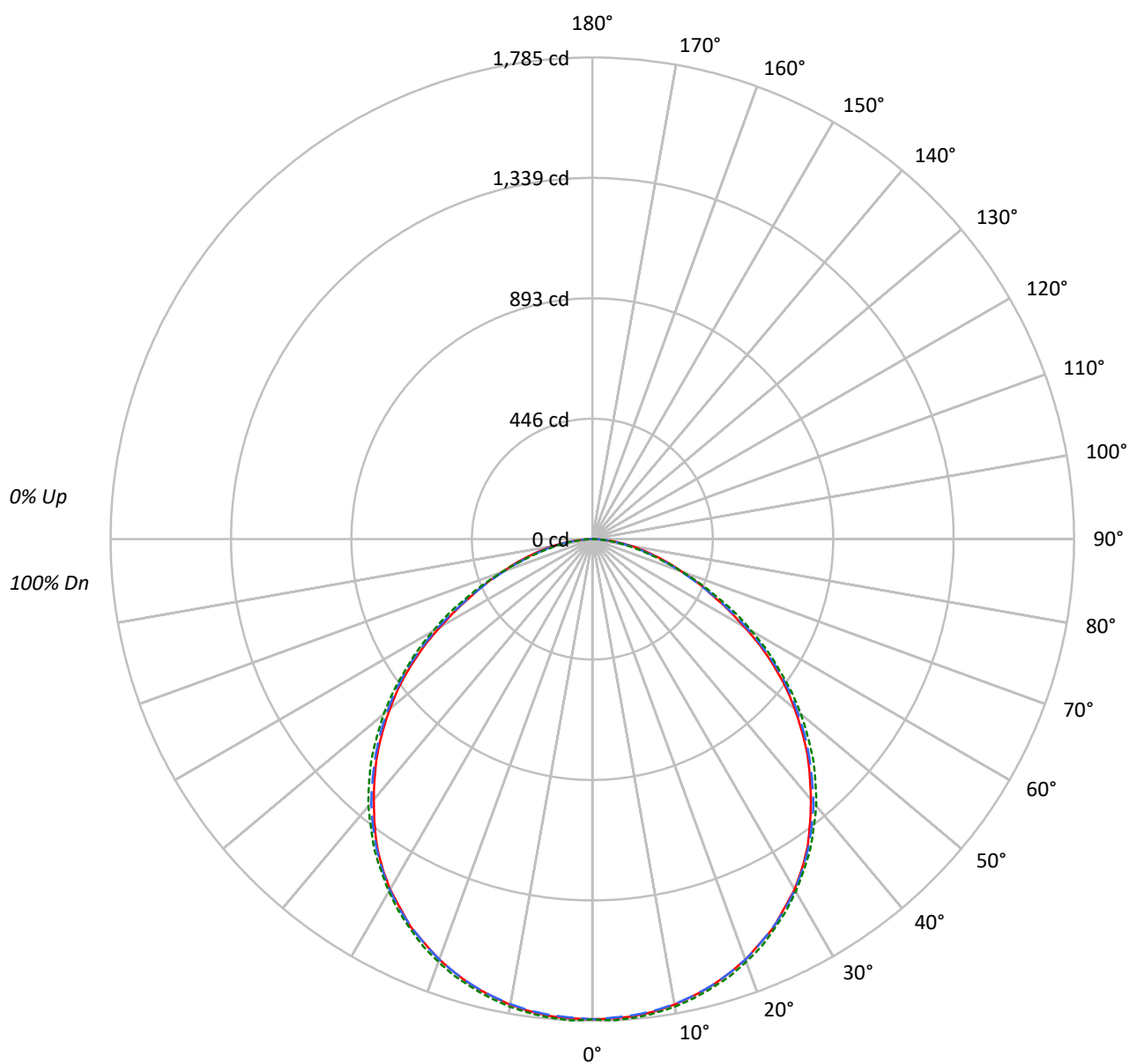
Lumens per Lamp: N/A
Luminaire Lumens: 4690.2 lumens
Efficiency: N/A
Efficacy: 114.7 lumens/watt
Spacing Criteria (0/90/45): 1.25 / 1.26 / 1.35
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 40.9
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	102	102	100
1	109	105	101	97	107	103	99	96	98	95	93	94	92	90	91	89	87	87	87	85
2	100	92	86	80	97	90	84	79	87	82	77	83	79	75	80	77	74	74	74	72
3	91	81	73	67	89	80	72	66	77	70	65	74	69	64	71	67	63	63	63	61
4	84	72	64	57	82	71	63	57	68	61	56	66	60	55	64	59	55	55	55	52
5	77	65	56	49	75	64	55	49	61	54	49	60	53	48	58	52	48	48	48	46
6	71	58	50	43	69	57	49	43	56	48	43	54	47	42	52	47	42	42	42	40
7	66	53	44	38	65	52	44	38	51	43	38	49	43	38	48	42	37	37	37	35
8	62	48	40	34	60	48	40	34	46	39	34	45	39	34	44	38	34	34	34	32
9	58	44	36	31	56	44	36	31	43	36	31	42	35	30	41	35	30	30	30	29
10	54	41	33	28	53	41	33	28	40	33	28	39	32	28	38	32	28	28	28	26

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	4788	4788	4788
5°	4792	4783	4810
10°	4786	4781	4808
15°	4771	4769	4793
20°	4748	4748	4774
25°	4716	4709	4735
30°	4656	4662	4685
35°	4567	4585	4621
40°	4425	4477	4534
45°	4287	4323	4406
50°	4099	4143	4225
55°	3860	3922	3968
60°	3502	3576	3665
65°	3110	3144	3270
70°	2780	2723	2792
75°	2508	2363	2316
80°	2280	2115	1878
85°	1930	1754	1510

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 4406 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	168.8	3.6
10°-20°	484.1	10.3
20°-30°	732.2	15.6
30°-40°	872.8	18.6
40°-50°	877.6	18.7
50°-60°	744.9	15.9
60°-70°	495.9	10.6
70°-80°	247.6	5.3
80°-90°	66.2	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°	1385.1	29.5
0°-40°	2257.9	48.1
0°-60°	3880.4	82.7
0°-90°	4690.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4690.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1779	1779	1779	1779	1779	
5°	1774	1774	1771	1779	1780	169
15°	1713	1715	1712	1719	1721	483
25°	1588	1588	1586	1593	1595	730
35°	1390	1392	1396	1405	1407	867
45°	1127	1128	1136	1151	1158	867
55°	823	829	836	844	846	733
65°	488	492	494	501	514	490
75°	241	238	227	222	223	259
85°	62	61	57	53	49	72
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1779.3	1779.3	1779.3	1779.3	1779.3
2.5°	1777.9	1779.3	1774.5	1783.2	1785.3
5°	1774.1	1774.5	1770.7	1778.6	1780.5
7.5°	1765.4	1766.2	1762.1	1770.7	1771.9
10°	1751.5	1753.0	1749.6	1757.5	1759.4
12.5°	1733.8	1735.7	1732.4	1741.0	1742.4
15°	1712.7	1714.6	1712.0	1719.2	1720.6
17.5°	1686.9	1688.3	1686.9	1693.6	1697.4
20°	1657.9	1657.9	1657.9	1663.9	1667.2
22.5°	1621.7	1625.1	1623.6	1631.5	1634.9
25°	1588.2	1588.2	1586.0	1593.4	1594.6
27.5°	1541.2	1546.5	1546.0	1552.5	1553.9
30°	1498.3	1499.8	1500.5	1505.0	1507.7
32.5°	1446.4	1447.6	1449.7	1456.2	1456.9
35°	1390.3	1391.7	1395.6	1405.4	1406.8
37.5°	1325.2	1332.3	1335.7	1346.2	1347.4
40°	1259.8	1264.3	1274.4	1285.4	1290.7
42.5°	1193.2	1198.4	1204.4	1219.5	1224.3
45°	1126.6	1128.5	1135.9	1151.0	1157.7
47.5°	1052.8	1058.8	1065.2	1078.4	1082.5
50°	979.0	985.5	989.6	1001.3	1009.2
52.5°	904.5	910.5	915.1	922.2	930.1
55°	822.8	828.6	836.0	843.9	845.8
57.5°	739.7	746.2	751.0	759.4	768.0
60°	650.6	658.0	664.5	672.4	681.0
62.5°	567.7	570.8	577.5	590.7	603.2
65°	488.4	492.5	493.7	501.1	513.6
67.5°	422.6	422.6	416.6	419.2	433.1
70°	353.3	350.7	346.1	343.5	354.8
72.5°	297.3	293.9	284.1	279.5	285.5
75°	241.2	237.9	227.3	222.1	222.8
77.5°	193.8	188.5	179.9	170.8	168.9
80°	147.1	144.9	136.5	127.9	121.2
82.5°	104.2	99.6	94.9	89.6	84.3
85°	62.5	61.3	56.8	53.4	48.9
87.5°	25.6	25.6	24.4	23.0	21.8
90°	0.0	0.0	0.0	0.0	0.0



— 0°-180° - - 45°-225° 90°-270°

(END OF REPORT)