

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: P1050403

Luminaire Tested: PTR-14-50-PR1-L835-UNV-STD-W

Issue Date: 7/11/2025

Test Information

Test Method: LM-79-2019
Report Number: P1050403
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: PTR-14-50-PR1-L835-UNV-STD-W
Description: 8000 LUMEN 1X4 PERCEIVE PT TROFFER WITH 3500K, 80 CRI LEDS AND RIPPLE LENS

Light Source:
Ballast/Driver: -

Summary

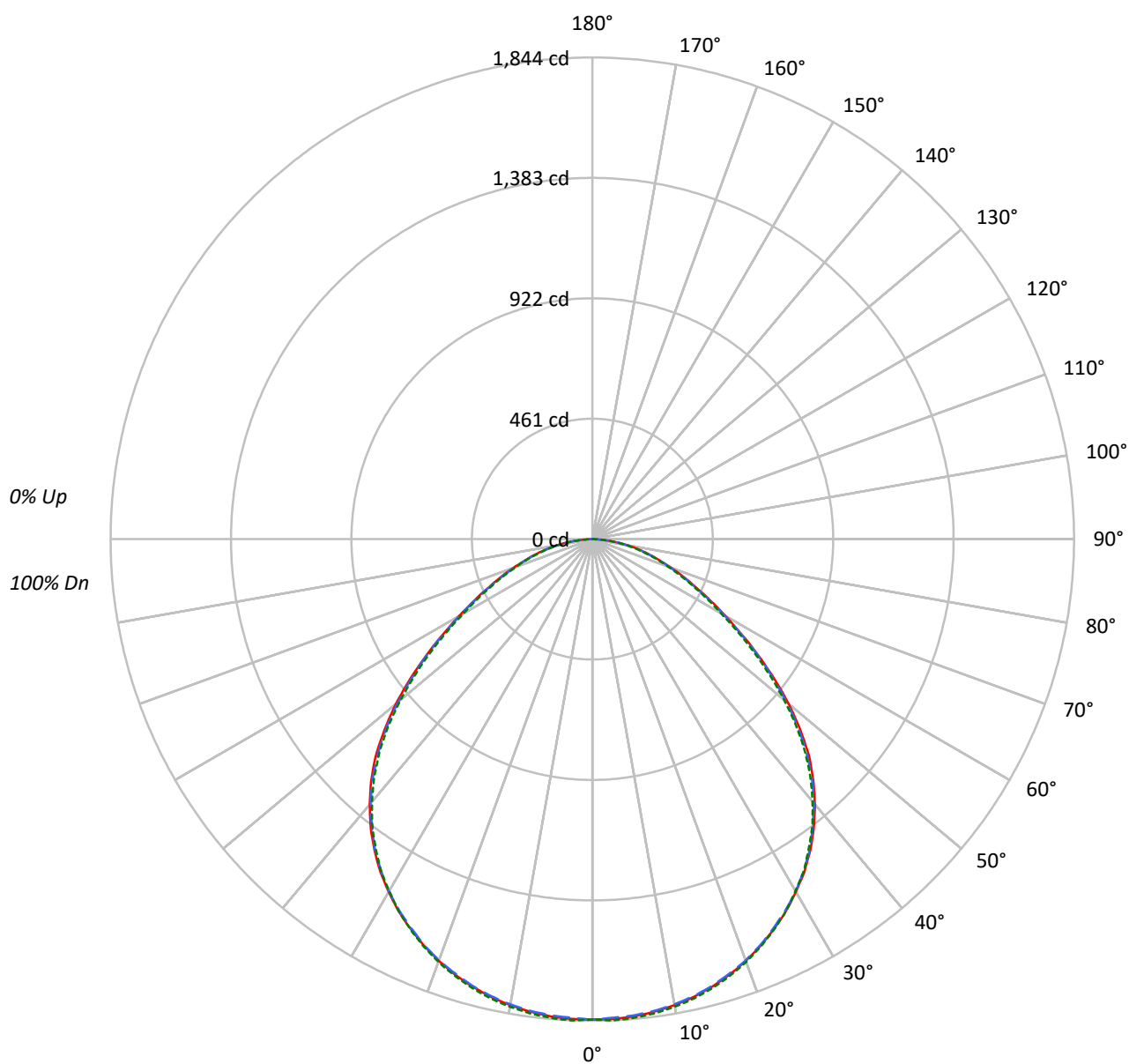
Lumens per Lamp: N/A
Luminaire Lumens: 4651.3 lumens
Efficiency: N/A
Efficacy: 113.7 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.26 / 1.34
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

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

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	4949	4949	4949
5°	4954	4943	4970
10°	4950	4941	4968
15°	4940	4933	4956
20°	4920	4914	4933
25°	4888	4876	4893
30°	4844	4838	4832
35°	4777	4766	4747
40°	4657	4638	4606
45°	4462	4413	4381
50°	4106	4060	4010
55°	3634	3618	3547
60°	3158	3146	3061
65°	2783	2767	2711
70°	2525	2489	2438
75°	2338	2283	2242
80°	2134	2104	2035
85°	1686	1670	1606

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 4462 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	174.4	3.8
10°-20°	500.7	10.8
20°-30°	758.6	16.3
30°-40°	905.6	19.5
40°-50°	890.6	19.1
50°-60°	688.3	14.8
60°-70°	434.0	9.3
70°-80°	234.8	5.0
80°-90°	64.1	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°	1433.8	30.8
0°-40°	2339.4	50.3
0°-60°	3918.3	84.2
0°-90°	4651.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4651.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1839	1839	1839	1839	1839	
5°	1834	1835	1830	1838	1840	174
15°	1773	1774	1771	1776	1779	500
25°	1646	1647	1642	1647	1648	759
35°	1454	1455	1451	1449	1445	908
45°	1173	1168	1160	1150	1151	898
55°	775	781	771	759	756	695
65°	437	438	434	427	426	440
75°	225	222	220	221	216	239
85°	55	55	54	55	52	65
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1839.2	1839.2	1839.2	1839.2	1839.2
2.5°	1838.5	1839.2	1833.9	1842.5	1844.4
5°	1833.9	1834.6	1829.8	1837.7	1839.9
7.5°	1824.6	1826.0	1821.5	1829.4	1831.3
10°	1811.4	1812.8	1808.3	1816.2	1818.1
12.5°	1795.1	1795.6	1791.8	1798.9	1800.9
15°	1773.3	1773.8	1770.7	1776.4	1779.1
17.5°	1748.2	1748.9	1744.3	1751.5	1752.7
20°	1718.0	1718.5	1715.8	1721.8	1722.5
22.5°	1684.2	1685.7	1681.6	1686.9	1687.6
25°	1646.1	1647.3	1642.1	1647.3	1648.1
27.5°	1605.9	1606.4	1601.8	1605.9	1605.2
30°	1559.0	1563.0	1557.0	1555.6	1555.1
32.5°	1510.3	1510.8	1505.1	1503.6	1506.3
35°	1454.3	1454.8	1450.9	1449.0	1444.9
37.5°	1393.0	1393.0	1385.6	1384.4	1383.6
40°	1325.7	1325.0	1320.4	1315.9	1311.1
42.5°	1252.4	1253.8	1244.5	1236.6	1235.4
45°	1172.6	1168.1	1159.5	1150.4	1151.1
47.5°	1078.5	1079.7	1068.0	1060.5	1058.6
50°	980.8	980.8	969.8	961.9	957.8
52.5°	878.8	879.5	868.9	858.4	856.2
55°	774.6	781.0	771.2	758.8	756.1
57.5°	677.1	682.4	673.0	659.8	659.1
60°	586.8	587.3	584.6	572.2	568.8
62.5°	509.7	506.3	504.9	498.4	494.3
65°	437.1	437.8	434.5	427.0	425.8
67.5°	378.4	377.7	371.7	367.2	364.5
70°	320.9	319.0	316.4	312.6	309.9
72.5°	269.7	269.7	267.5	266.3	261.8
75°	224.9	222.3	219.6	220.8	215.6
77.5°	182.0	179.4	177.2	174.6	173.4
80°	137.7	135.1	135.8	131.7	131.3
82.5°	95.6	95.6	94.4	91.0	91.7
85°	54.6	55.3	54.1	54.6	52.0
87.5°	19.9	20.4	21.8	20.4	20.4
90°	0.0	0.0	0.0	0.0	0.0



— 0°-180° - - 45°-225° 90°-270°

(END OF REPORT)