

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: P1050354

Luminaire Tested: PTR-14-50-PP3-L835-UNV-STD-W

Issue Date: 7/11/2025

Test Information

Test Method: LM-79-2019
Report Number: P1050354
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: PTR-14-50-PP3-L835-UNV-STD-W
Description: 8000 LUMEN 1X4 PERCEIVE PT TROFFER WITH 3500K, 80 CRI LEDS AND PRISM LENS

Light Source:
Ballast/Driver: -

Summary

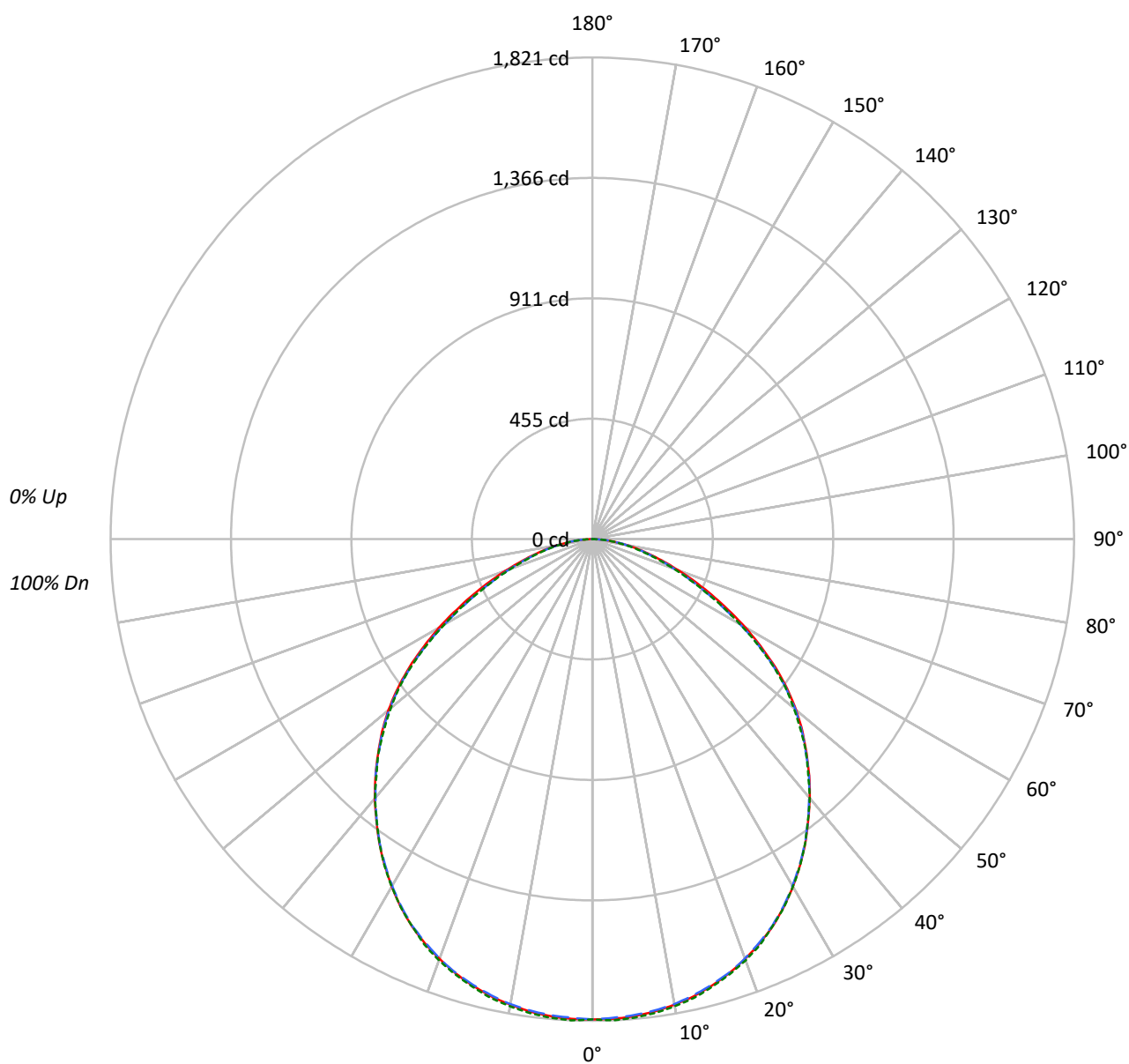
Lumens per Lamp: N/A
Luminaire Lumens: 4692.1 lumens
Efficiency: N/A
Efficacy: 114.7 lumens/watt
Spacing Criteria (0/90/45): 1.24 / 1.24 / 1.34
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

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

TEST NUMBER: P1050354

CATALOG NUMBER: PTR-14-50-PP3-L835-UNV-STD-W

Luminous Intensity Polar Plot



TEST NUMBER: P1050354

CATALOG NUMBER: PTR-14-50-PP3-L835-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	102	102	100
1	109	105	101	97	107	103	99	96	99	96	93	95	92	90	91	89	87	87	87	85
2	100	92	86	80	97	90	84	79	87	82	78	84	79	76	81	77	74	74	74	72
3	92	81	74	67	89	80	73	67	77	71	66	74	69	65	72	67	63	63	63	61
4	84	73	64	58	82	71	63	57	69	62	56	66	60	56	64	59	55	55	55	53
5	77	65	56	50	75	64	56	50	62	55	49	60	54	49	58	52	48	48	48	46
6	72	59	50	44	70	58	50	44	56	49	43	54	48	43	53	47	42	42	42	40
7	66	53	45	39	65	52	44	39	51	44	38	50	43	38	48	42	38	38	38	36
8	62	49	40	35	60	48	40	35	47	39	34	45	39	34	44	38	34	34	34	32
9	58	45	37	31	57	44	36	31	43	36	31	42	35	31	41	35	31	31	31	29
10	54	41	34	28	53	41	33	28	40	33	28	39	33	28	38	32	28	28	28	26

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	4887	4887	4887
5°	4891	4880	4907
10°	4884	4877	4901
15°	4868	4859	4881
20°	4836	4832	4853
25°	4793	4785	4791
30°	4712	4703	4712
35°	4610	4604	4608
40°	4492	4478	4490
45°	4357	4344	4350
50°	4212	4191	4161
55°	3964	3918	3906
60°	3598	3477	3483
65°	3160	3002	2996
70°	2733	2608	2578
75°	2363	2276	2226
80°	2094	2064	1971
85°	1729	1791	1686

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°

Vertical Angle: 45°

Luminance: 4373 cd/sqm

TEST NUMBER: P1050354

CATALOG NUMBER: PTR-14-50-PP3-L835-UNV-STD-W

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	172.2	3.7
10°-20°	493.4	10.5
20°-30°	742.8	15.8
30°-40°	876.7	18.7
40°-50°	881.7	18.8
50°-60°	744.4	15.9
60°-70°	478.0	10.2
70°-80°	237.8	5.1
80°-90°	65.2	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°	1408.4	30.0
0°-40°	2285.1	48.7
0°-60°	3911.2	83.4
0°-90°	4692.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4692.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1816	1816	1816	1816	1816	
5°	1811	1811	1807	1815	1816	172
15°	1748	1748	1744	1752	1752	493
25°	1614	1615	1612	1615	1614	743
35°	1403	1404	1401	1403	1403	877
45°	1145	1149	1142	1143	1143	884
55°	845	844	835	832	833	752
65°	496	489	471	467	471	495
75°	227	226	219	217	214	246
85°	56	58	58	55	55	66
90°	0	0	0	0	0	

TEST NUMBER: P1050354

CATALOG NUMBER: PTR-14-50-PP3-L835-UNV-STD-W

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1816.0	1816.0	1816.0	1816.0	1816.0
2.5°	1815.3	1816.0	1811.2	1819.8	1821.3
5°	1810.7	1811.2	1806.7	1815.3	1816.5
7.5°	1801.4	1802.1	1798.0	1806.0	1807.4
10°	1787.5	1789.7	1784.9	1792.3	1793.5
12.5°	1770.5	1771.2	1766.4	1775.1	1776.5
15°	1747.5	1748.0	1744.2	1752.1	1752.1
17.5°	1720.9	1721.6	1719.0	1725.7	1725.0
20°	1688.8	1690.7	1687.4	1691.9	1694.6
22.5°	1653.9	1654.6	1650.5	1656.5	1659.1
25°	1614.3	1614.8	1611.7	1614.8	1613.6
27.5°	1568.1	1569.3	1564.8	1568.1	1568.8
30°	1516.6	1520.0	1513.5	1516.1	1516.6
32.5°	1461.3	1463.2	1458.7	1459.4	1462.7
35°	1403.3	1404.0	1401.4	1402.6	1402.6
37.5°	1340.8	1343.4	1339.4	1341.3	1338.7
40°	1278.8	1276.1	1274.7	1276.1	1278.1
42.5°	1213.4	1214.1	1212.2	1210.8	1207.6
45°	1144.9	1149.0	1141.5	1143.0	1143.0
47.5°	1077.8	1078.3	1074.5	1070.4	1067.8
50°	1006.0	1006.0	1001.2	998.1	994.0
52.5°	927.4	926.2	920.9	917.6	919.5
55°	845.0	844.3	835.2	831.8	832.6
57.5°	754.7	756.2	742.3	738.9	738.9
60°	668.5	661.8	646.0	641.4	647.2
62.5°	578.0	570.0	553.0	553.0	557.6
65°	496.3	489.1	471.4	466.6	470.6
67.5°	419.9	413.2	396.9	394.2	395.4
70°	347.3	341.5	331.5	325.5	327.7
72.5°	284.8	279.5	272.8	268.3	265.6
75°	227.3	226.1	218.9	216.8	214.1
77.5°	179.9	179.4	173.4	170.8	168.1
80°	135.1	134.4	133.2	129.1	127.2
82.5°	96.3	96.3	95.6	92.2	90.3
85°	56.0	58.0	58.0	54.6	54.6
87.5°	22.5	23.7	22.5	22.5	21.8
90°	0.0	0.0	0.0	0.0	0.0



— 0°-180° - - 45°-225° 90°-270°

(END OF REPORT)