

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: P1050158

Luminaire Tested: PTR-14-50-PB1-L835-UNV-STD-W

Issue Date: 7/11/2025

Test Information

Test Method: LM-79-2019
Report Number: P1050158
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P737703)
Test Lab: INNOVATION CENTER
Issue Date: 7/11/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: PTR-14-50-PB1-L835-UNV-STD-W
Description: 8000 LUMEN 1X4 PERCEIVE PT TROFFER WITH 3500K, 80 CRI LEDS AND BEVEL LENS

Light Source:
Ballast/Driver: -

Summary

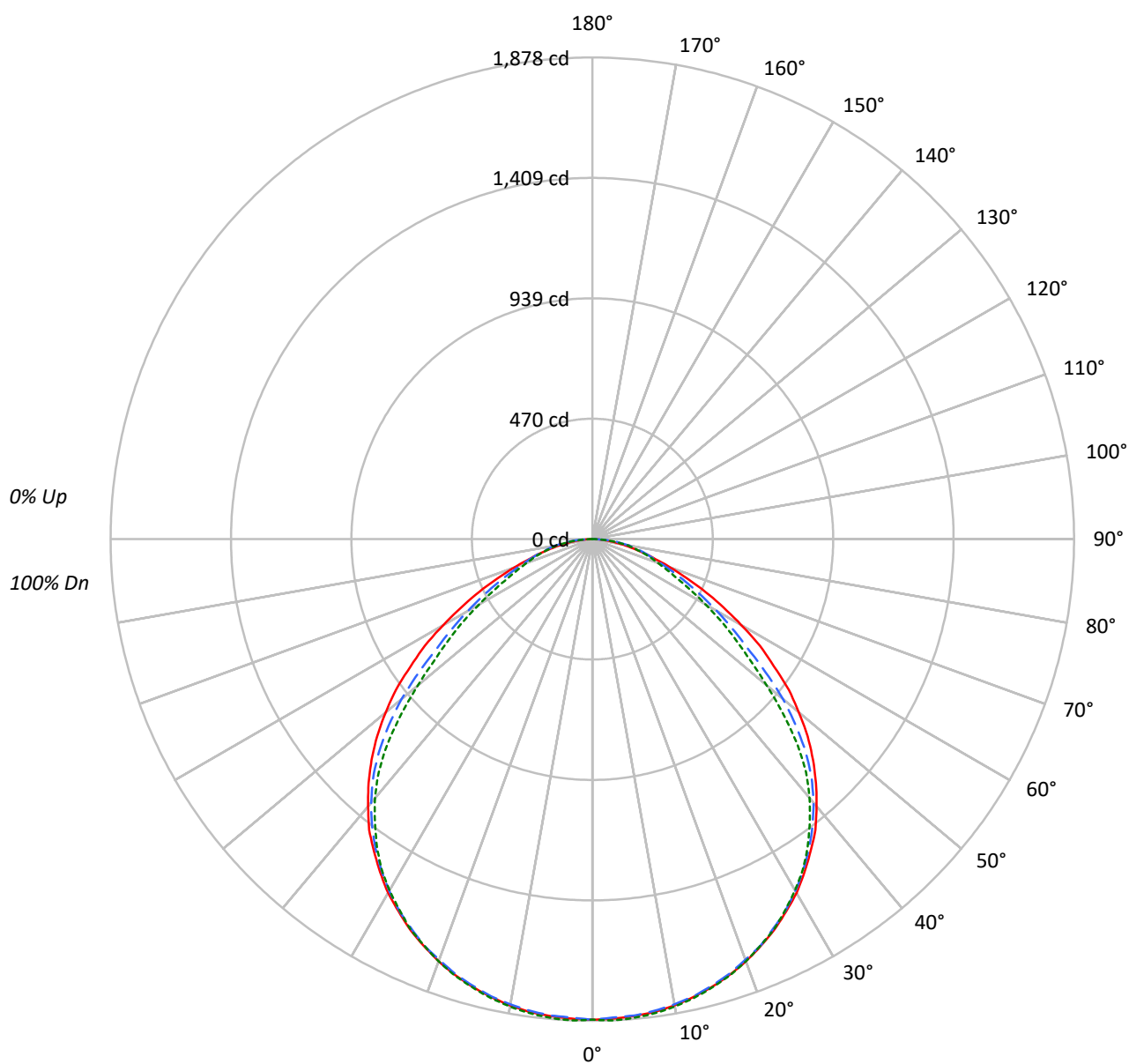
Lumens per Lamp: N/A
Luminaire Lumens: 4672.3 lumens
Efficiency: N/A
Efficacy: 114.2 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.25 / 1.34
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

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: P1050158

CATALOG NUMBER: PTR-14-50-PB1-L835-UNV-STD-W

Luminous Intensity Polar Plot



TEST NUMBER: P1050158

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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	110	105	101	98	107	103	99	96	99	96	93	95	93	90	91	89	88	86		
2	100	93	86	81	98	91	85	80	87	83	78	84	80	77	81	78	75	73		
3	92	82	75	69	90	81	74	68	78	72	67	75	70	66	73	68	64	62		
4	85	73	65	59	83	72	64	58	70	63	58	67	62	57	65	60	56	54		
5	78	66	57	51	76	65	57	51	63	56	50	61	55	50	59	54	49	47		
6	72	60	51	45	71	59	51	45	57	50	44	55	49	44	54	48	44	42		
7	67	54	46	40	66	53	45	40	52	45	39	51	44	39	49	43	39	37		
8	63	50	41	36	61	49	41	36	48	41	35	46	40	35	45	39	35	33		
9	59	46	38	32	57	45	37	32	44	37	32	43	36	32	42	36	32	30		
10	55	42	34	29	54	42	34	29	41	34	29	40	33	29	39	33	29	27		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	5042	5042	5042
5°	5042	5037	5062
10°	5045	5032	5057
15°	5034	5021	5040
20°	5016	4997	5016
25°	4989	4968	4982
30°	4949	4920	4913
35°	4876	4838	4808
40°	4777	4712	4631
45°	4631	4481	4297
50°	4400	4062	3715
55°	4055	3450	3200
60°	3610	3014	2741
65°	3096	2613	2334
70°	2557	2304	2140
75°	2156	2204	2086
80°	1822	2250	2145
85°	1426	2279	1995

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 4631 cd/sqm

TEST NUMBER: P1050158

CATALOG NUMBER: PTR-14-50-PB1-L835-UNV-STD-W

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	177.7	3.8
10°-20°	509.8	10.9
20°-30°	772.2	16.5
30°-40°	920.2	19.7
40°-50°	899.8	19.3
50°-60°	680.6	14.6
60°-70°	418.1	8.9
70°-80°	222.8	4.8
80°-90°	71.1	1.5
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°	1459.7	31.2
0°-40°	2379.9	50.9
0°-60°	3960.3	84.8
0°-90°	4672.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4672.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1874	1874	1874	1874	1874	
5°	1867	1869	1865	1872	1874	178
15°	1807	1809	1802	1809	1809	510
25°	1680	1678	1673	1676	1678	774
35°	1484	1482	1473	1466	1464	928
45°	1217	1210	1178	1138	1129	936
55°	864	820	735	694	682	774
65°	486	447	410	378	367	484
75°	207	210	212	205	201	222
85°	46	60	74	69	65	55
90°	0	0	0	0	0	

TEST NUMBER: P1050158

CATALOG NUMBER: PTR-14-50-PB1-L835-UNV-STD-W

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1873.8	1873.8	1873.8	1873.8	1873.8
2.5°	1871.6	1873.8	1866.7	1876.2	1878.4
5°	1866.7	1869.2	1864.6	1871.6	1873.8
7.5°	1860.0	1860.0	1855.4	1862.1	1864.6
10°	1846.2	1846.2	1841.6	1848.4	1850.8
12.5°	1827.8	1827.8	1825.4	1830.0	1832.4
15°	1807.0	1809.2	1802.4	1809.2	1809.2
17.5°	1781.6	1779.4	1777.0	1781.6	1784.0
20°	1751.6	1751.6	1744.8	1749.4	1751.6
22.5°	1717.0	1717.0	1714.8	1717.0	1714.8
25°	1680.2	1677.8	1673.2	1675.6	1677.8
27.5°	1636.4	1636.4	1631.8	1631.8	1629.4
30°	1592.6	1590.2	1583.4	1578.8	1581.0
32.5°	1539.6	1537.2	1530.4	1525.8	1528.0
35°	1484.2	1482.0	1472.8	1465.8	1463.6
37.5°	1429.0	1422.0	1410.4	1401.2	1392.0
40°	1359.8	1352.8	1341.4	1320.6	1318.2
42.5°	1290.6	1283.9	1265.2	1240.1	1233.0
45°	1216.8	1210.1	1177.6	1138.4	1129.2
47.5°	1138.4	1127.1	1076.3	1027.9	1009.5
50°	1051.1	1030.3	970.3	908.1	887.3
52.5°	965.7	928.9	850.5	795.1	774.5
55°	864.3	820.5	735.3	693.7	682.1
57.5°	774.5	714.5	645.3	603.9	594.7
60°	670.7	615.3	560.1	523.1	509.3
62.5°	576.1	527.7	481.7	449.3	433.4
65°	486.3	447.1	410.4	377.9	366.6
67.5°	398.8	377.9	347.9	322.8	315.8
70°	325.0	313.3	292.8	281.2	272.0
72.5°	258.2	262.8	249.0	244.4	237.4
75°	207.4	209.8	212.0	205.2	200.6
77.5°	156.8	168.2	177.4	172.8	168.2
80°	117.6	129.0	145.2	138.4	138.4
82.5°	80.6	94.6	108.4	103.8	101.4
85°	46.2	60.0	73.8	69.2	64.6
87.5°	18.4	30.0	32.2	32.2	30.0
90°	0.0	0.0	0.0	0.0	0.0



— 0°-180° - - 45°-225° 90°-270°

(END OF REPORT)