

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: P1050109

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

Issue Date: 7/11/2025

Test Information

Test Method: LM-79-2019
Report Number: P1050109
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2310-200-1)
Test Lab: INNOVATION CENTER
Issue Date: 7/11/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: PTR-14-50-L835-UNV-STD-W
Description: 8000 LUMEN 1X4 PERCEIVE PT TROFFER WITH 3500K, 80 CRI LEDS AND FROSTED LENS

Light Source:
Ballast/Driver: -

Summary

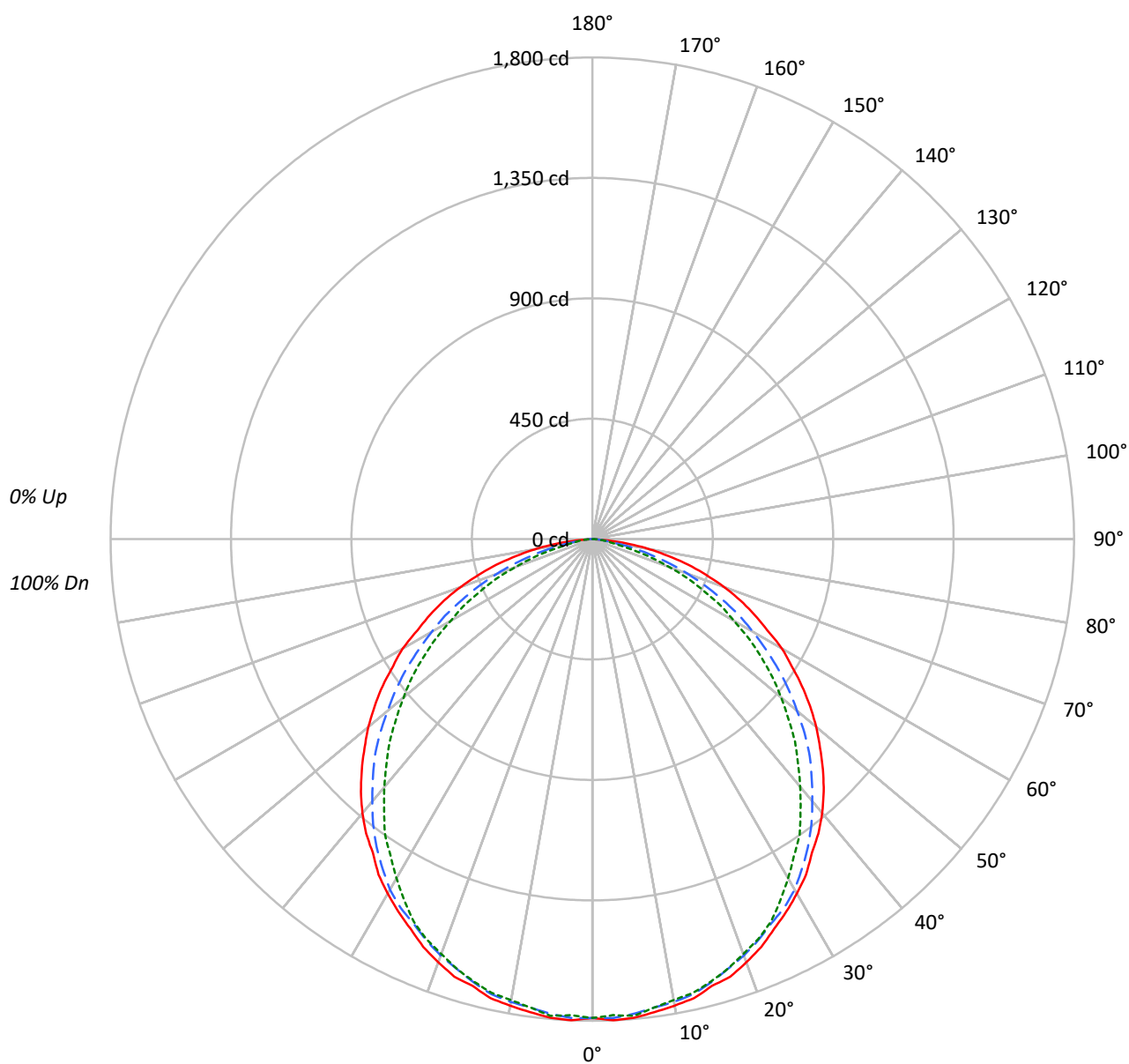
Lumens per Lamp: N/A
Luminaire Lumens: 4765.8 lumens
Efficiency: N/A
Efficacy: 116.5 lumens/watt
Spacing Criteria (0/90/45): 1.27 / 1.21 / 1.35
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

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	95	92	90	91	89	87	87	87	85
2	100	92	85	80	97	90	84	79	87	81	77	83	79	75	80	77	74	74	74	72
3	91	81	73	67	89	79	72	66	76	70	65	74	68	64	71	67	63	63	63	61
4	84	72	63	57	81	71	63	56	68	61	56	66	60	55	64	58	54	54	54	52
5	77	64	56	49	75	63	55	49	61	54	48	59	53	48	57	52	47	47	47	45
6	71	58	49	43	69	57	49	43	55	48	42	54	47	42	52	46	42	42	42	40
7	66	53	44	38	64	52	44	38	50	43	38	49	42	37	48	42	37	37	37	35
8	61	48	40	34	60	47	39	34	46	39	34	45	38	33	44	38	33	33	33	31
9	57	44	36	31	56	44	36	30	42	35	30	41	35	30	40	34	30	30	30	28
10	54	41	33	28	53	40	33	28	39	32	28	38	32	27	37	32	27	27	27	26

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	4815	4815	4815
5°	4850	4810	4830
10°	4837	4799	4778
15°	4815	4777	4768
20°	4818	4742	4724
25°	4771	4702	4686
30°	4752	4699	4546
35°	4698	4614	4435
40°	4694	4492	4245
45°	4635	4376	4075
50°	4573	4180	3854
55°	4485	3985	3620
60°	4405	3728	3286
65°	4254	3420	2938
70°	4116	2976	2398
75°	3867	2349	1651
80°	3352	1420	990
85°	2238	1019	954

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 4635 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	169.6	3.6
10°-20°	485.3	10.2
20°-30°	733.1	15.4
30°-40°	871.6	18.3
40°-50°	884.0	18.5
50°-60°	767.6	16.1
60°-70°	544.9	11.4
70°-80°	260.4	5.5
80°-90°	49.4	1.0
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°	1388.0	29.1
0°-40°	2259.6	47.4
0°-60°	3911.1	82.1
0°-90°	4765.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4765.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1789	1789	1789	1789	1789	
5°	1796	1789	1781	1785	1788	170
15°	1728	1733	1715	1712	1711	490
25°	1607	1605	1584	1590	1578	742
35°	1430	1428	1404	1356	1350	899
45°	1218	1207	1150	1089	1071	940
55°	956	927	849	799	772	854
65°	668	618	537	480	461	662
75°	372	304	226	179	159	390
85°	72	38	33	32	31	91
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1789.2	1789.2	1789.2	1789.2	1789.2
2.5°	1799.8	1793.4	1791.3	1798.8	1780.6
5°	1795.6	1789.2	1780.6	1784.9	1788.1
7.5°	1782.8	1777.5	1765.7	1775.3	1765.7
10°	1770.0	1764.7	1756.1	1759.3	1748.7
12.5°	1757.2	1744.4	1742.3	1744.4	1737.0
15°	1728.4	1732.7	1714.6	1712.4	1711.4
17.5°	1714.6	1703.9	1684.7	1685.8	1683.7
20°	1682.6	1669.8	1656.0	1653.8	1649.6
22.5°	1649.6	1634.7	1621.9	1628.3	1618.7
25°	1607.0	1604.8	1583.5	1589.9	1578.2
27.5°	1569.7	1562.2	1552.6	1538.8	1521.7
30°	1529.2	1521.7	1512.1	1475.9	1463.1
32.5°	1486.5	1478.0	1458.8	1416.2	1402.4
35°	1430.1	1427.9	1404.5	1356.5	1350.1
37.5°	1387.4	1364.0	1344.8	1295.8	1277.7
40°	1336.3	1323.5	1278.7	1231.9	1208.4
42.5°	1279.8	1264.9	1213.7	1163.7	1138.1
45°	1218.0	1207.3	1149.8	1089.1	1070.9
47.5°	1154.1	1144.5	1076.3	1017.7	994.2
50°	1092.3	1080.5	998.5	942.0	920.7
52.5°	1025.1	1005.9	925.0	869.5	849.3
55°	955.9	927.1	849.3	799.2	771.5
57.5°	882.3	855.7	769.4	717.2	694.8
60°	818.4	781.1	692.7	639.4	610.6
62.5°	736.3	704.4	620.2	557.3	543.5
65°	668.1	618.1	537.1	479.5	461.4
67.5°	598.9	540.3	458.2	399.6	390.0
70°	523.2	462.5	378.3	320.8	304.8
72.5°	446.5	386.8	304.8	244.0	234.4
75°	371.9	303.7	225.9	179.0	158.8
77.5°	290.9	229.1	158.8	109.8	97.0
80°	216.3	154.5	91.6	65.0	63.9
82.5°	141.7	89.5	49.0	50.1	48.0
85°	72.5	38.4	33.0	32.0	30.9
87.5°	13.9	14.9	16.0	16.0	16.0
90°	0.0	0.0	0.0	0.0	0.0



— 0°-180° - - 45°-225° 90°-270°

(END OF REPORT)