

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: P1050162

Luminaire Tested: PTR-14-50-PB1-L935-UNV-STD-W

Issue Date: 7/11/2025

Test Information

Test Method: LM-79-2019
Report Number: P1050162
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-L935-UNV-STD-W
Description: 8000 LUMEN 1X4 PERCEIVE PT TROFFER WITH 3500K, 90 CRI LEDS AND BEVEL LENS

Light Source:
Ballast/Driver: -

Summary

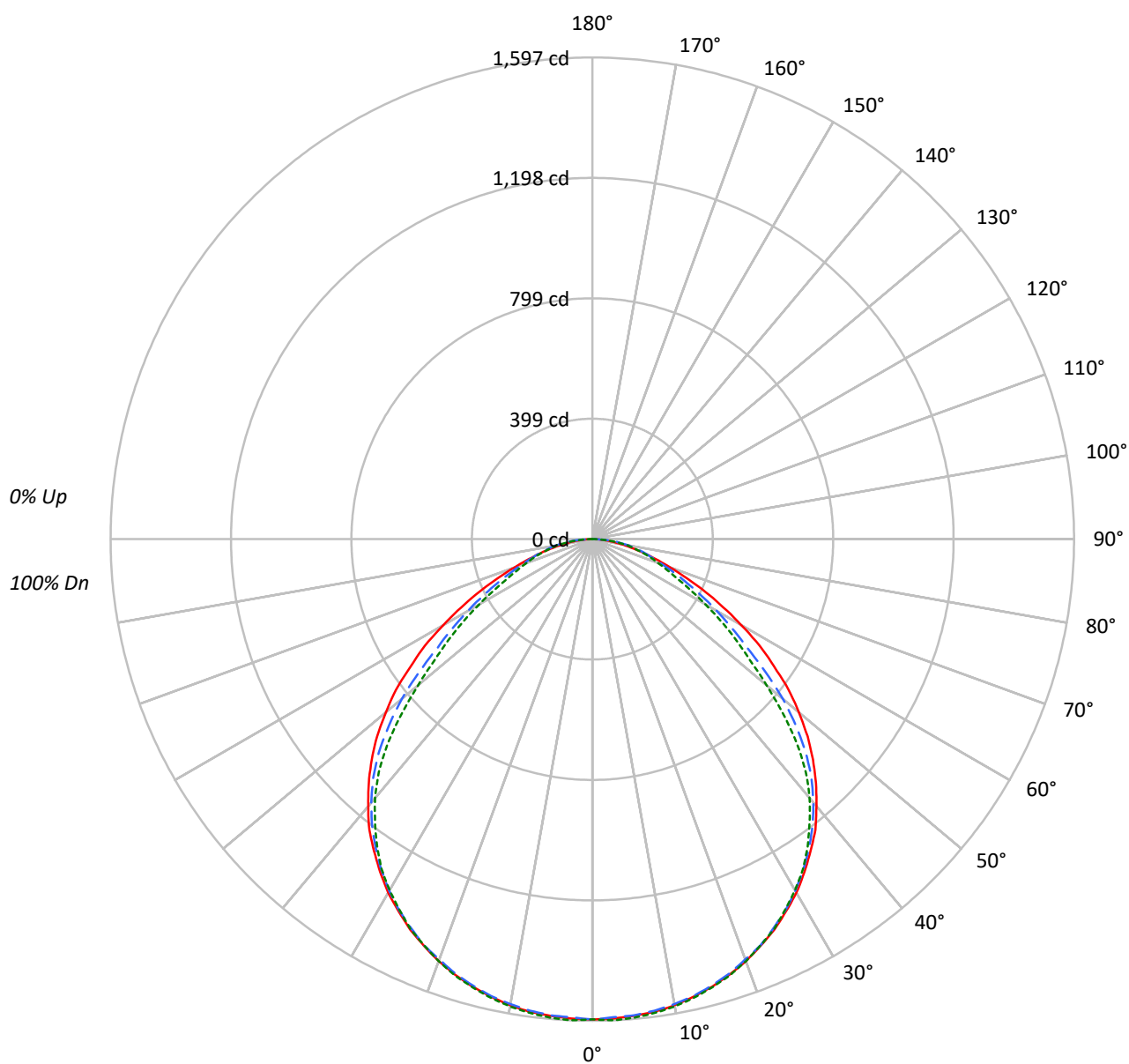
Lumens per Lamp: N/A
Luminaire Lumens: 3971.5 lumens
Efficiency: N/A
Efficacy: 97.1 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.25 / 1.34
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

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

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

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	4286	4286	4286
5°	4286	4281	4302
10°	4288	4277	4299
15°	4279	4268	4284
20°	4263	4247	4263
25°	4241	4223	4234
30°	4206	4182	4176
35°	4144	4113	4087
40°	4060	4005	3936
45°	3936	3809	3653
50°	3740	3453	3157
55°	3446	2932	2720
60°	3068	2562	2330
65°	2632	2221	1984
70°	2173	1958	1819
75°	1833	1874	1773
80°	1550	1912	1822
85°	1213	1936	1695

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 3936 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	151.0	3.8
10°-20°	433.3	10.9
20°-30°	656.4	16.5
30°-40°	782.1	19.7
40°-50°	764.8	19.3
50°-60°	578.5	14.6
60°-70°	355.4	9.0
70°-80°	189.4	4.8
80°-90°	60.4	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°	1240.7	31.2
0°-40°	2022.9	50.9
0°-60°	3366.2	84.8
0°-90°	3971.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3971.5	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1593	1593	1593	1593	1593	
5°	1587	1589	1585	1591	1593	151
15°	1536	1538	1532	1538	1538	433
25°	1428	1426	1422	1424	1426	658
35°	1262	1260	1252	1246	1244	789
45°	1034	1028	1001	968	960	796
55°	735	697	625	590	580	658
65°	413	380	349	321	312	411
75°	176	178	180	174	170	189
85°	39	51	63	59	55	47
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1592.7	1592.7	1592.7	1592.7	1592.7
2.5°	1590.8	1592.7	1586.7	1594.8	1596.6
5°	1586.7	1588.8	1584.9	1590.8	1592.7
7.5°	1581.0	1581.0	1577.1	1582.8	1584.9
10°	1569.3	1569.3	1565.3	1571.1	1573.2
12.5°	1553.6	1553.6	1551.6	1555.5	1557.5
15°	1535.9	1537.8	1532.0	1537.8	1537.8
17.5°	1514.3	1512.5	1510.4	1514.3	1516.4
20°	1488.8	1488.8	1483.1	1487.0	1488.8
22.5°	1459.4	1459.4	1457.6	1459.4	1457.6
25°	1428.2	1426.1	1422.2	1424.3	1426.1
27.5°	1390.9	1390.9	1387.0	1387.0	1385.0
30°	1353.7	1351.7	1345.9	1342.0	1343.8
32.5°	1308.7	1306.6	1300.9	1296.9	1298.8
35°	1261.6	1259.7	1251.9	1245.9	1244.1
37.5°	1214.7	1208.7	1198.8	1191.0	1183.2
40°	1155.9	1149.9	1140.2	1122.5	1120.5
42.5°	1097.0	1091.3	1075.4	1054.1	1048.1
45°	1034.3	1028.5	1001.0	967.7	959.9
47.5°	967.7	958.0	914.8	873.7	858.0
50°	893.4	875.7	824.7	771.9	754.2
52.5°	820.8	789.6	722.9	675.8	658.3
55°	734.6	697.4	625.0	589.7	579.8
57.5°	658.3	607.3	548.5	513.3	505.5
60°	570.1	523.0	476.1	444.7	432.9
62.5°	489.7	448.6	409.5	381.9	368.4
65°	413.4	380.1	348.8	321.3	311.6
67.5°	338.9	321.3	295.8	274.4	268.4
70°	276.2	266.3	248.9	239.0	231.2
72.5°	219.4	223.4	211.6	207.7	201.8
75°	176.3	178.3	180.2	174.4	170.5
77.5°	133.3	142.9	150.8	146.8	142.9
80°	100.0	109.6	123.4	117.6	117.6
82.5°	68.5	80.4	92.1	88.2	86.2
85°	39.3	51.0	62.7	58.8	54.9
87.5°	15.6	25.5	27.4	27.4	25.5
90°	0.0	0.0	0.0	0.0	0.0



— 0°-180° - - 45°-225° 90°-270°

(END OF REPORT)