

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: P1050211

Luminaire Tested: PTR-14-50-PC3-L935-UNV-STD-W

Issue Date: 7/11/2025

Test Information

Test Method: LM-79-2019
Report Number: P1050211
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P737711)
Test Lab: INNOVATION CENTER
Issue Date: 7/11/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: PTR-14-50-PC3-L935-UNV-STD-W
Description: 8000 LUMEN 1X4 PERCEIVE PT TROFFER WITH 3500K, 90 CRI LEDS AND PARAMID LENS

Light Source:
Ballast/Driver: -

Summary

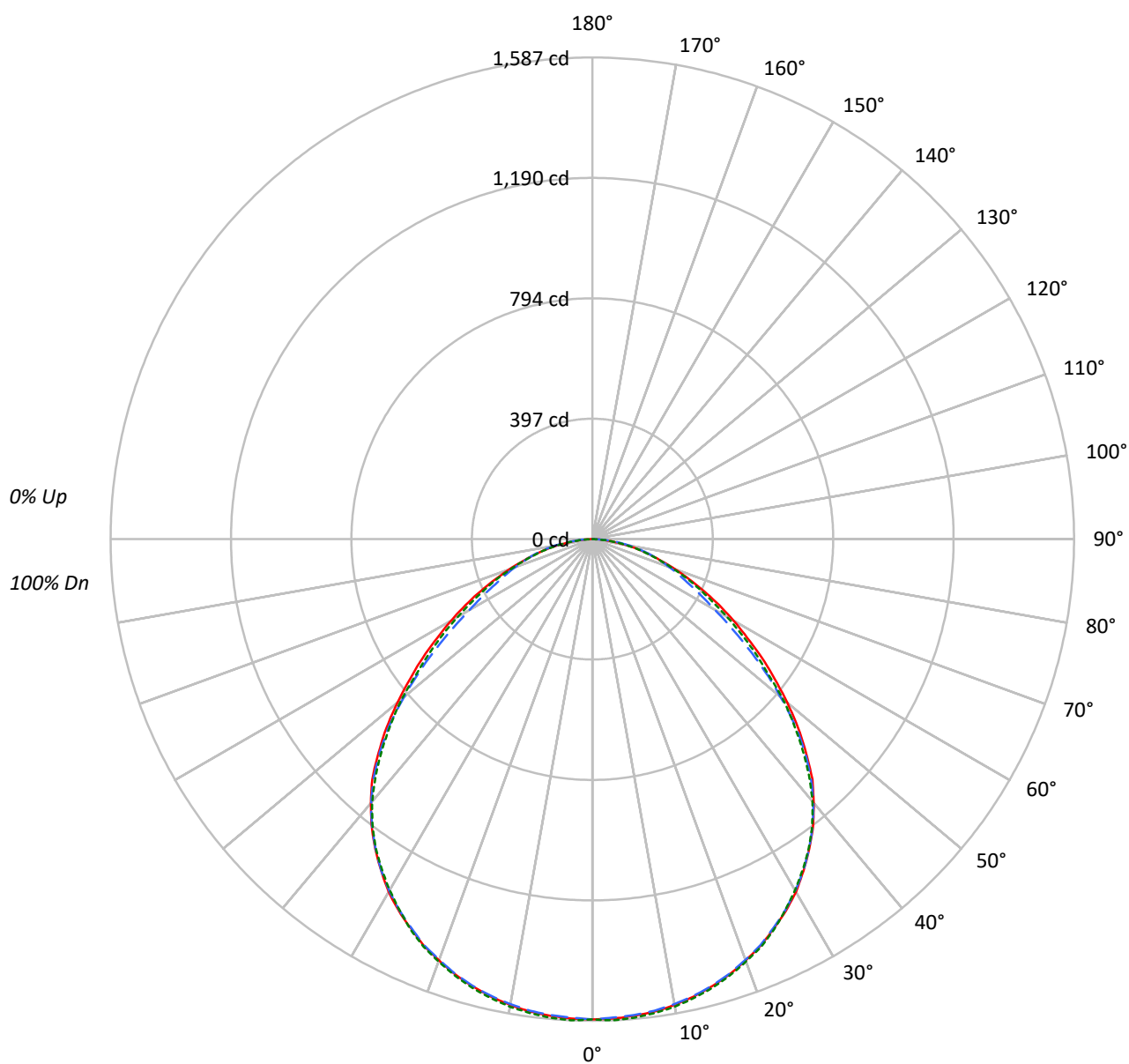
Lumens per Lamp: N/A
Luminaire Lumens: 3989.4 lumens
Efficiency: N/A
Efficacy: 97.5 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.25 / 1.34
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

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	100		
1	110	105	101	98	107	103	99	96	99	96	93	95	92	90	91	89	87	85		
2	100	93	86	81	98	91	85	80	87	82	78	84	80	76	81	78	75	72		
3	92	82	74	68	90	80	73	68	77	71	66	75	70	65	72	68	64	62		
4	85	73	65	58	82	72	64	58	69	63	57	67	61	56	65	60	56	54		
5	78	66	57	51	76	65	56	50	62	55	50	61	54	49	59	53	49	47		
6	72	59	51	45	70	58	50	44	57	49	44	55	49	44	53	48	43	41		
7	67	54	46	40	65	53	45	39	52	44	39	50	44	39	49	43	39	37		
8	62	49	41	35	61	49	41	35	47	40	35	46	40	35	45	39	35	33		
9	58	45	37	32	57	45	37	32	44	37	32	43	36	32	42	36	31	30		
10	55	42	34	29	54	41	34	29	40	34	29	40	33	29	39	33	29	27		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	4258	4258	4258
5°	4259	4252	4276
10°	4259	4251	4274
15°	4249	4245	4264
20°	4230	4223	4242
25°	4201	4195	4211
30°	4170	4156	4149
35°	4095	4090	4083
40°	3986	3980	3962
45°	3791	3763	3724
50°	3509	3391	3429
55°	3202	2943	3075
60°	2887	2510	2753
65°	2581	2246	2476
70°	2290	2124	2227
75°	2024	2059	1984
80°	1746	1967	1737
85°	1309	1556	1309

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°

Vertical Angle: 45°

Luminance: 3800 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	150.1	3.8
10°-20°	430.8	10.8
20°-30°	652.2	16.3
30°-40°	777.6	19.5
40°-50°	759.8	19.0
50°-60°	581.0	14.6
60°-70°	373.0	9.4
70°-80°	207.5	5.2
80°-90°	57.3	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°	1233.1	30.9
0°-40°	2010.7	50.4
0°-60°	3351.6	84.0
0°-90°	3989.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3989.4	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1582	1582	1582	1582	1582	
5°	1577	1578	1574	1581	1583	150
15°	1525	1526	1524	1529	1530	430
25°	1415	1417	1413	1417	1418	653
35°	1246	1247	1245	1244	1243	779
45°	996	998	989	986	979	766
55°	682	659	627	635	655	610
65°	405	374	353	364	389	404
75°	195	196	198	195	191	208
85°	42	50	50	49	42	52
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1582.4	1582.4	1582.4	1582.4	1582.4
2.5°	1581.4	1582.0	1577.9	1584.7	1586.9
5°	1576.8	1577.9	1574.0	1581.4	1583.0
7.5°	1570.1	1571.1	1567.2	1574.6	1575.2
10°	1558.7	1559.4	1555.9	1563.3	1564.3
12.5°	1543.5	1545.2	1541.3	1548.1	1548.5
15°	1525.2	1526.5	1523.6	1528.7	1530.4
17.5°	1503.8	1504.5	1501.6	1507.1	1507.7
20°	1477.1	1477.1	1474.8	1481.2	1481.2
22.5°	1450.0	1448.3	1447.7	1450.0	1453.5
25°	1415.0	1416.7	1412.7	1417.3	1418.3
27.5°	1381.1	1381.1	1377.6	1379.8	1377.0
30°	1342.0	1339.7	1337.5	1337.9	1335.2
32.5°	1294.9	1294.9	1293.9	1293.9	1290.4
35°	1246.4	1247.4	1245.1	1244.5	1242.9
37.5°	1194.1	1196.0	1191.9	1190.9	1189.6
40°	1134.7	1134.7	1133.1	1130.8	1127.9
42.5°	1073.0	1073.0	1065.8	1060.1	1056.2
45°	996.1	998.4	988.7	986.5	978.6
47.5°	919.6	918.0	905.0	903.4	898.9
50°	838.2	828.5	810.0	814.9	819.1
52.5°	756.8	744.8	717.7	723.2	730.0
55°	682.5	658.9	627.2	635.0	655.4
57.5°	605.0	573.3	541.7	556.5	581.8
60°	536.5	500.9	466.4	482.2	511.6
62.5°	470.9	433.1	405.3	420.5	445.4
65°	405.3	374.1	352.7	364.4	388.9
67.5°	345.3	324.3	309.7	315.2	335.0
70°	291.0	277.8	270.0	271.6	283.0
72.5°	239.4	236.1	233.2	233.2	234.2
75°	194.7	196.4	198.0	195.4	190.8
77.5°	153.4	159.0	163.1	157.3	151.8
80°	112.7	121.7	126.9	120.5	112.1
82.5°	76.9	87.2	88.8	84.9	75.3
85°	42.4	49.8	50.4	48.7	42.4
87.5°	15.8	18.7	20.4	18.7	16.5
90°	0.0	0.0	0.0	0.0	0.0



— 0°-180° - - 45°-225° 90°-270°

(END OF REPORT)