

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: P1050408

Luminaire Tested: PTR-14-50-PR1-L940-UNV-STD-W

Issue Date: 7/11/2025

Test Information

Test Method: LM-79-2019
Report Number: P1050408
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P737735)
Test Lab: INNOVATION CENTER
Issue Date: 7/11/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: PTR-14-50-PR1-L940-UNV-STD-W
Description: 8000 LUMEN 1X4 PERCEIVE PT TROFFER WITH 4000K, 90 CRI LEDS AND RIPPLE LENS

Light Source:
Ballast/Driver: -

Summary

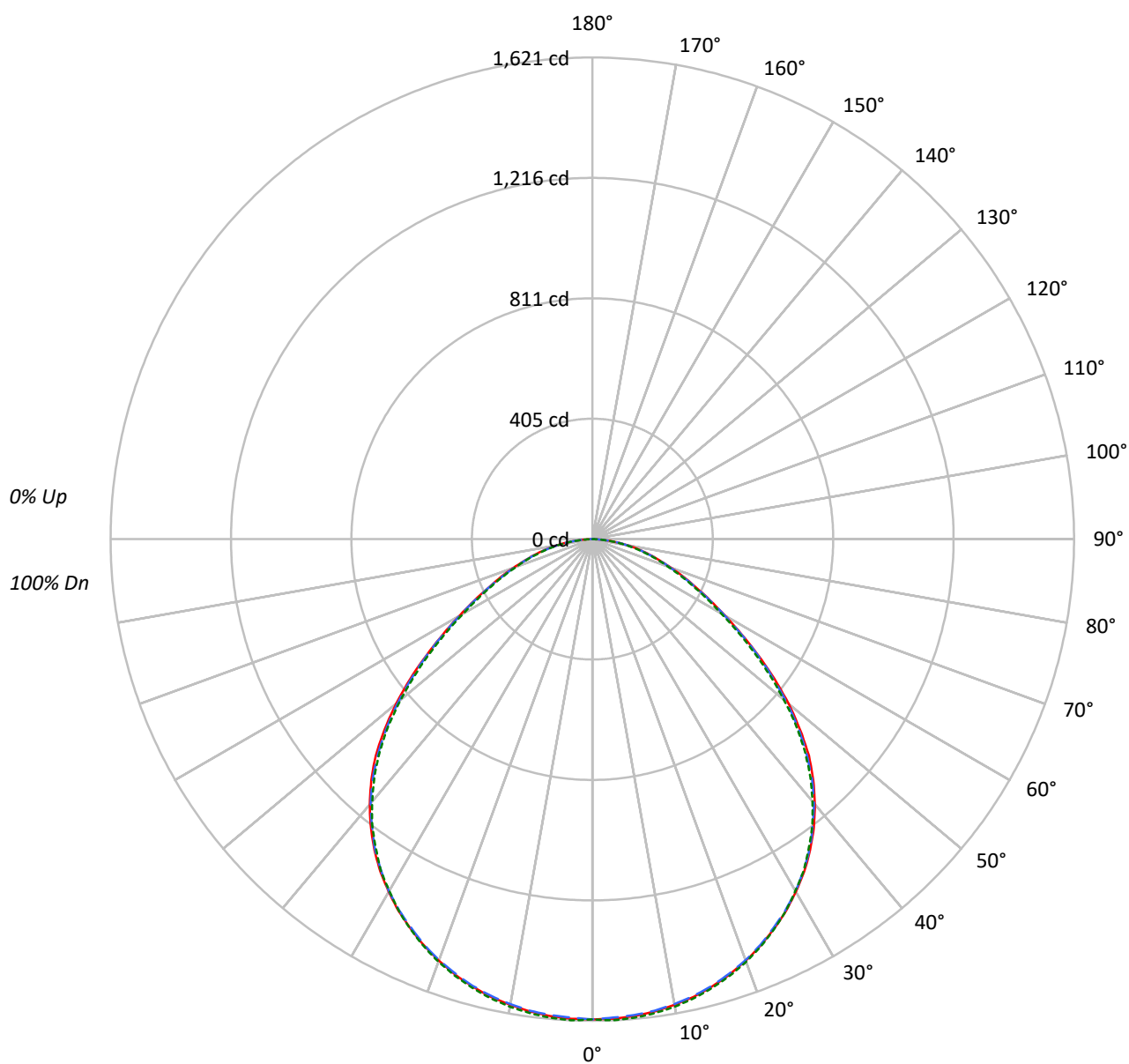
Lumens per Lamp: N/A
Luminaire Lumens: 4087.5 lumens
Efficiency: N/A
Efficacy: 99.9 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.26 / 1.34
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

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	92	90	91	89	88	88	88	85
2	100	93	86	81	98	91	85	80	87	82	78	84	80	76	81	78	75	75	75	73
3	92	82	74	68	90	80	73	68	78	71	66	75	70	65	72	68	64	64	64	62
4	85	73	65	58	82	72	64	58	69	63	57	67	61	56	65	60	56	56	56	54
5	78	66	57	51	76	65	56	50	62	55	50	61	54	49	59	53	49	49	49	47
6	72	59	51	45	70	58	50	44	57	49	44	55	49	44	53	48	43	43	43	41
7	67	54	45	40	65	53	45	39	52	44	39	50	44	39	49	43	39	39	39	37
8	62	49	41	35	61	49	41	35	47	40	35	46	40	35	45	39	35	35	35	33
9	58	45	37	32	57	45	37	32	44	37	32	43	36	32	42	36	31	31	31	30
10	55	42	34	29	54	41	34	29	40	34	29	39	33	29	39	33	29	29	29	27

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	4349	4349	4349
5°	4353	4344	4368
10°	4350	4342	4366
15°	4342	4335	4355
20°	4323	4318	4335
25°	4295	4285	4300
30°	4257	4252	4246
35°	4198	4189	4171
40°	4092	4076	4047
45°	3922	3878	3849
50°	3608	3568	3524
55°	3194	3179	3118
60°	2775	2765	2690
65°	2446	2431	2383
70°	2219	2187	2143
75°	2054	2007	1969
80°	1875	1849	1787
85°	1482	1470	1411

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 3922 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	153.3	3.8
10°-20°	440.1	10.8
20°-30°	666.7	16.3
30°-40°	795.8	19.5
40°-50°	782.6	19.1
50°-60°	604.9	14.8
60°-70°	381.4	9.3
70°-80°	206.3	5.0
80°-90°	56.4	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°	1260.0	30.8
0°-40°	2055.8	50.3
0°-60°	3443.4	84.2
0°-90°	4087.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4087.5	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1616	1616	1616	1616	1616	
5°	1612	1612	1608	1615	1617	153
15°	1558	1559	1556	1561	1563	440
25°	1447	1448	1443	1448	1448	667
35°	1278	1278	1275	1273	1270	798
45°	1030	1026	1019	1011	1012	789
55°	681	686	678	667	664	611
65°	384	385	382	375	374	387
75°	198	195	193	194	189	210
85°	48	49	48	48	46	57
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1616.2	1616.2	1616.2	1616.2	1616.2
2.5°	1615.6	1616.2	1611.6	1619.2	1620.9
5°	1611.6	1612.2	1608.0	1615.0	1616.9
7.5°	1603.4	1604.7	1600.7	1607.6	1609.3
10°	1591.8	1593.1	1589.1	1596.0	1597.7
12.5°	1577.5	1577.9	1574.6	1580.9	1582.6
15°	1558.4	1558.8	1556.1	1561.1	1563.4
17.5°	1536.3	1536.9	1532.9	1539.2	1540.3
20°	1509.7	1510.2	1507.9	1513.1	1513.7
22.5°	1480.1	1481.3	1477.8	1482.4	1483.0
25°	1446.6	1447.7	1443.0	1447.7	1448.3
27.5°	1411.2	1411.7	1407.7	1411.2	1410.6
30°	1370.0	1373.6	1368.3	1367.0	1366.6
32.5°	1327.3	1327.7	1322.6	1321.4	1323.7
35°	1278.0	1278.4	1275.1	1273.4	1269.8
37.5°	1224.1	1224.1	1217.6	1216.6	1215.9
40°	1165.0	1164.4	1160.4	1156.4	1152.1
42.5°	1100.6	1101.8	1093.6	1086.7	1085.6
45°	1030.5	1026.5	1018.9	1010.9	1011.5
47.5°	947.8	948.8	938.5	932.0	930.3
50°	861.9	861.9	852.2	845.3	841.7
52.5°	772.2	772.9	763.6	754.3	752.5
55°	680.7	686.4	677.7	666.8	664.5
57.5°	595.0	599.6	591.4	579.9	579.2
60°	515.7	516.1	513.8	502.8	499.9
62.5°	447.9	444.9	443.7	438.0	434.4
65°	384.1	384.8	381.8	375.3	374.2
67.5°	332.6	331.9	326.7	322.7	320.3
70°	282.0	280.4	278.0	274.7	272.4
72.5°	237.0	237.0	235.1	234.0	230.1
75°	197.6	195.3	193.0	194.1	189.4
77.5°	160.0	157.6	155.8	153.4	152.4
80°	121.0	118.7	119.3	115.8	115.3
82.5°	84.0	84.0	82.9	80.0	80.6
85°	48.0	48.6	47.6	48.0	45.7
87.5°	17.5	17.9	19.2	17.9	17.9
90°	0.0	0.0	0.0	0.0	0.0



— 0°-180° - - 45°-225° 90°-270°

(END OF REPORT)