

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: P1050212

Luminaire Tested: PTR-14-50-PC3-L940-UNV-STD-W

Issue Date: 7/11/2025

Test Information

Test Method: LM-79-2019
Report Number: P1050212
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-L940-UNV-STD-W
Description: 8000 LUMEN 1X4 PERCEIVE PT TROFFER WITH 4000K, 90 CRI LEDS AND PARAMID LENS

Light Source:
Ballast/Driver: -

Summary

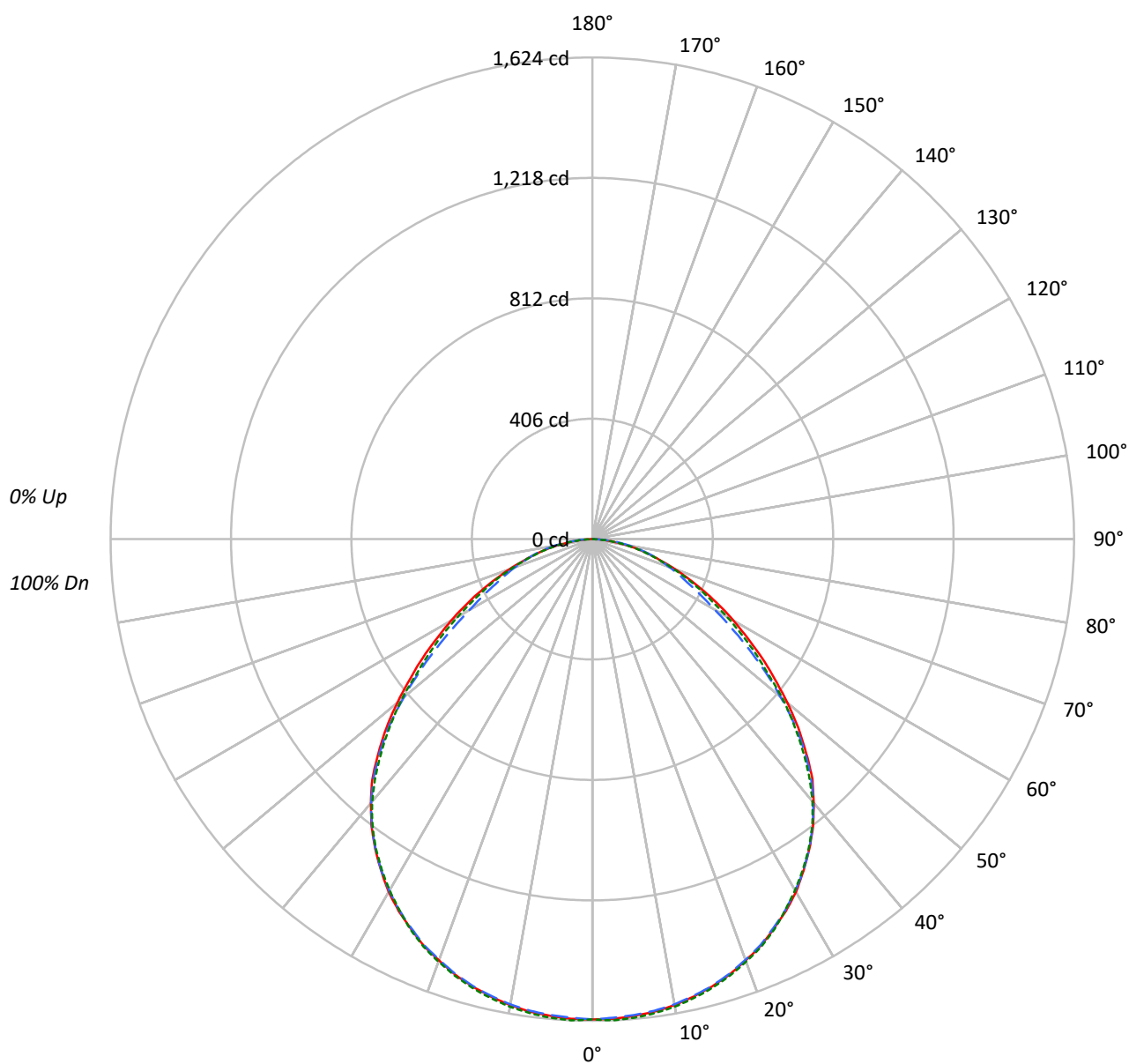
Lumens per Lamp: N/A
Luminaire Lumens: 4083.0 lumens
Efficiency: N/A
Efficacy: 99.8 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.25 / 1.34
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

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°	4358	4358	4358
5°	4359	4351	4376
10°	4359	4351	4375
15°	4349	4344	4364
20°	4329	4322	4341
25°	4300	4293	4310
30°	4268	4254	4246
35°	4190	4187	4179
40°	4079	4074	4055
45°	3880	3851	3812
50°	3591	3471	3509
55°	3277	3012	3147
60°	2955	2569	2818
65°	2641	2298	2534
70°	2343	2174	2279
75°	2072	2108	2031
80°	1787	2013	1777
85°	1340	1593	1340

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°

Vertical Angle: 45°

Luminance: 3889 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	153.6	3.8
10°-20°	440.9	10.8
20°-30°	667.5	16.3
30°-40°	795.9	19.5
40°-50°	777.6	19.0
50°-60°	594.6	14.6
60°-70°	381.8	9.3
70°-80°	212.4	5.2
80°-90°	58.7	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°	1262.1	30.9
0°-40°	2057.9	50.4
0°-60°	3430.2	84.0
0°-90°	4083.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4083.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1620	1620	1620	1620	1620	
5°	1614	1615	1611	1618	1620	153
15°	1561	1562	1559	1565	1566	441
25°	1448	1450	1446	1450	1452	668
35°	1276	1277	1274	1274	1272	797
45°	1020	1022	1012	1010	1002	784
55°	698	674	642	650	671	624
65°	415	383	361	373	398	414
75°	199	201	203	200	195	213
85°	43	51	52	50	43	53
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1619.5	1619.5	1619.5	1619.5	1619.5
2.5°	1618.5	1619.1	1614.9	1621.8	1624.1
5°	1613.8	1614.9	1610.9	1618.5	1620.1
7.5°	1606.9	1607.9	1603.9	1611.5	1612.1
10°	1595.3	1595.9	1592.4	1599.9	1601.0
12.5°	1579.7	1581.4	1577.4	1584.4	1584.8
15°	1561.0	1562.3	1559.3	1564.6	1566.3
17.5°	1539.1	1539.7	1536.8	1542.5	1543.1
20°	1511.8	1511.8	1509.4	1516.0	1516.0
22.5°	1484.0	1482.3	1481.7	1484.0	1487.6
25°	1448.2	1449.9	1445.9	1450.5	1451.6
27.5°	1413.5	1413.5	1409.9	1412.2	1409.3
30°	1373.5	1371.2	1368.9	1369.3	1366.5
32.5°	1325.3	1325.3	1324.2	1324.2	1320.7
35°	1275.6	1276.7	1274.4	1273.7	1272.0
37.5°	1222.2	1224.1	1219.8	1218.8	1217.5
40°	1161.3	1161.3	1159.7	1157.3	1154.4
42.5°	1098.2	1098.2	1090.8	1084.9	1080.9
45°	1019.5	1021.8	1011.9	1009.6	1001.6
47.5°	941.2	939.5	926.2	924.6	919.9
50°	857.8	848.0	829.0	834.1	838.3
52.5°	774.5	762.3	734.5	740.2	747.1
55°	698.5	674.3	641.9	649.9	670.7
57.5°	619.2	586.8	554.4	569.5	595.4
60°	549.1	512.7	477.3	493.5	523.6
62.5°	482.0	443.2	414.8	430.4	455.9
65°	414.8	382.8	360.9	372.9	398.0
67.5°	353.4	331.9	317.0	322.6	342.8
70°	297.8	284.3	276.3	278.0	289.6
72.5°	245.0	241.6	238.7	238.7	239.7
75°	199.3	201.0	202.7	199.9	195.3
77.5°	157.0	162.7	166.9	161.0	155.3
80°	115.3	124.6	129.9	123.3	114.7
82.5°	78.7	89.2	90.9	86.9	77.0
85°	43.4	50.9	51.6	49.9	43.4
87.5°	16.2	19.2	20.8	19.2	16.8
90°	0.0	0.0	0.0	0.0	0.0



— 0°-180° - - 45°-225° 90°-270°

(END OF REPORT)