

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: P1050210

Luminaire Tested: PTR-14-50-PC3-L930-UNV-STD-W

Issue Date: 7/11/2025

Test Information

Test Method: LM-79-2019
Report Number: P1050210
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-L930-UNV-STD-W
Description: 8000 LUMEN 1X4 PERCEIVE PT TROFFER WITH 3000K, 90 CRI LEDS AND PARAMID LENS

Light Source:
Ballast/Driver: -

Summary

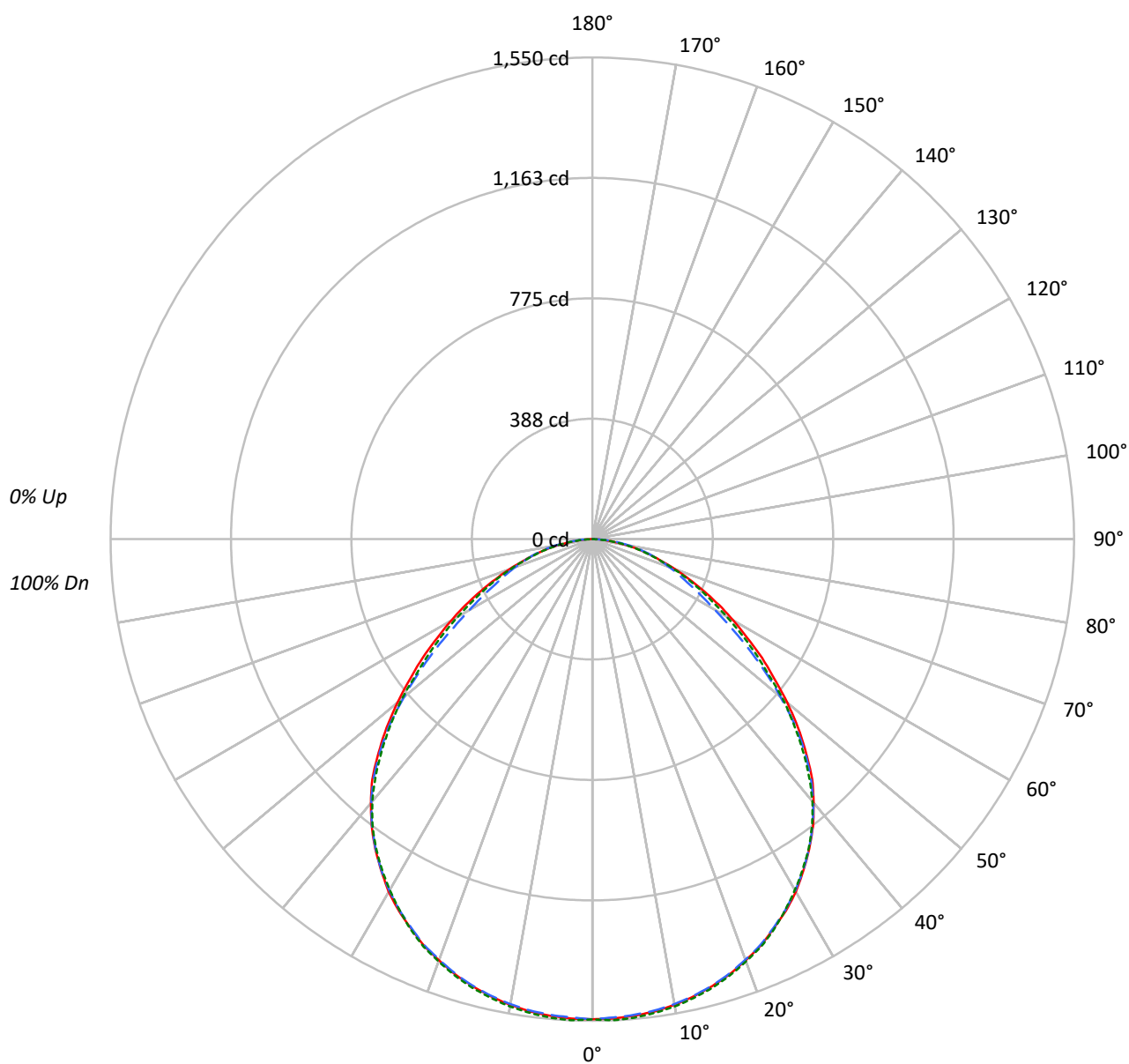
Lumens per Lamp: N/A
Luminaire Lumens: 3895.6 lumens
Efficiency: N/A
Efficacy: 95.2 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.25 / 1.34
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

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°	4158	4158	4158
5°	4159	4152	4176
10°	4159	4151	4174
15°	4149	4145	4163
20°	4131	4124	4142
25°	4102	4096	4112
30°	4072	4058	4051
35°	3998	3994	3987
40°	3892	3887	3869
45°	3702	3674	3637
50°	3427	3311	3348
55°	3127	2873	3003
60°	2820	2451	2689
65°	2520	2193	2418
70°	2235	2075	2174
75°	1978	2011	1937
80°	1705	1920	1695
85°	1278	1519	1278

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°

Vertical Angle: 45°

Luminance: 3710 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	146.6	3.8
10°-20°	420.7	10.8
20°-30°	636.9	16.3
30°-40°	759.3	19.5
40°-50°	741.9	19.0
50°-60°	567.3	14.6
60°-70°	364.2	9.4
70°-80°	202.6	5.2
80°-90°	56.0	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°	1204.1	30.9
0°-40°	1963.4	50.4
0°-60°	3272.7	84.0
0°-90°	3895.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3895.6	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1545	1545	1545	1545	1545	
5°	1540	1541	1537	1544	1546	146
15°	1489	1490	1488	1493	1494	420
25°	1382	1383	1380	1384	1385	637
35°	1217	1218	1216	1215	1214	760
45°	973	975	966	963	956	748
55°	666	643	612	620	640	596
65°	396	365	344	356	380	395
75°	190	192	193	191	186	203
85°	41	49	49	48	41	51
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1545.2	1545.2	1545.2	1545.2	1545.2
2.5°	1544.2	1544.8	1540.7	1547.4	1549.6
5°	1539.7	1540.7	1536.9	1544.2	1545.8
7.5°	1533.1	1534.1	1530.3	1537.5	1538.1
10°	1522.1	1522.7	1519.3	1526.5	1527.5
12.5°	1507.2	1508.8	1505.0	1511.6	1512.0
15°	1489.3	1490.5	1487.7	1492.8	1494.4
17.5°	1468.5	1469.1	1466.2	1471.7	1472.3
20°	1442.4	1442.4	1440.1	1446.4	1446.4
22.5°	1415.8	1414.2	1413.6	1415.8	1419.3
25°	1381.7	1383.3	1379.5	1383.9	1384.9
27.5°	1348.6	1348.6	1345.2	1347.4	1344.6
30°	1310.4	1308.2	1306.0	1306.4	1303.8
32.5°	1264.4	1264.4	1263.4	1263.4	1260.0
35°	1217.1	1218.1	1215.9	1215.2	1213.6
37.5°	1166.1	1167.9	1163.8	1162.8	1161.6
40°	1108.0	1108.0	1106.4	1104.2	1101.4
42.5°	1047.8	1047.8	1040.8	1035.1	1031.3
45°	972.7	974.9	965.5	963.2	955.6
47.5°	898.0	896.4	883.7	882.1	877.7
50°	818.5	809.0	791.0	795.8	799.8
52.5°	738.9	727.3	700.8	706.2	712.8
55°	666.5	643.4	612.4	620.1	640.0
57.5°	590.8	559.8	528.9	543.4	568.1
60°	523.9	489.2	455.4	470.9	499.6
62.5°	459.8	422.9	395.8	410.6	434.9
65°	395.8	365.3	344.4	355.8	379.7
67.5°	337.1	316.7	302.4	307.8	327.1
70°	284.1	271.3	263.7	265.3	276.3
72.5°	233.7	230.5	227.7	227.7	228.7
75°	190.2	191.8	193.4	190.8	186.3
77.5°	149.8	155.2	159.2	153.6	148.2
80°	110.0	118.9	123.9	117.7	109.4
82.5°	75.1	85.1	86.7	82.9	73.5
85°	41.4	48.6	49.2	47.6	41.4
87.5°	15.5	18.3	19.9	18.3	16.1
90°	0.0	0.0	0.0	0.0	0.0



— 0°-180° - - 45°-225° 90°-270°

(END OF REPORT)