

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: P1050406

Luminaire Tested: PTR-14-50-PR1-L930-UNV-STD-W

Issue Date: 7/11/2025

Test Information

Test Method: LM-79-2019
Report Number: P1050406
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-L930-UNV-STD-W
Description: 8000 LUMEN 1X4 PERCEIVE PT TROFFER WITH 3000K, 90 CRI LEDS AND RIPPLE LENS

Light Source:
Ballast/Driver: -

Summary

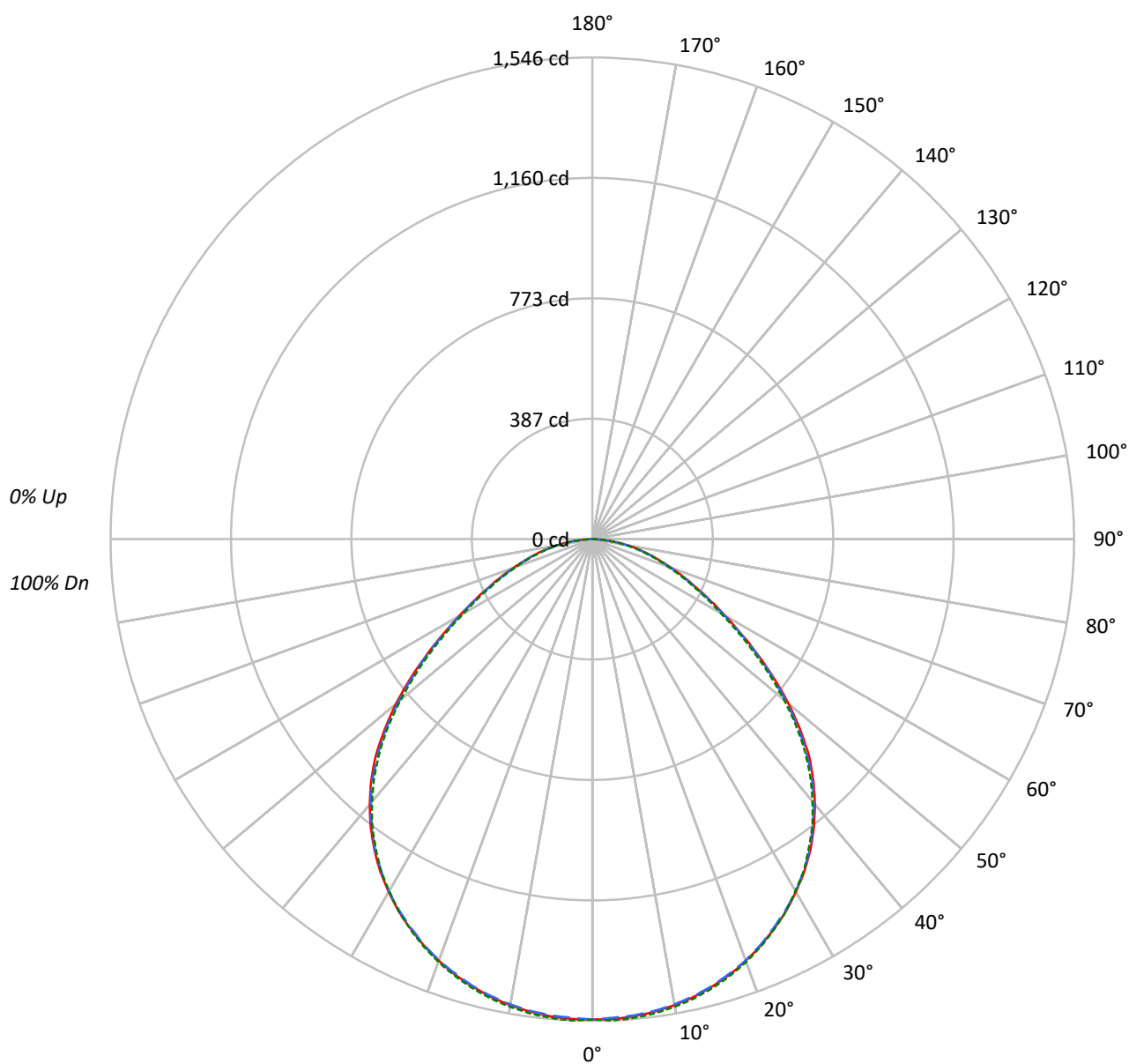
Lumens per Lamp: N/A
Luminaire Lumens: 3899.5 lumens
Efficiency: N/A
Efficacy: 95.3 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.26 / 1.34
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

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

TEST NUMBER: P1050406

CATALOG NUMBER: PTR-14-50-PR1-L930-UNV-STD-W

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°	4149	4149	4149
5°	4153	4144	4167
10°	4150	4142	4165
15°	4142	4136	4155
20°	4125	4119	4135
25°	4098	4088	4102
30°	4061	4056	4051
35°	4005	3996	3980
40°	3904	3889	3861
45°	3741	3699	3672
50°	3442	3404	3362
55°	3047	3034	2974
60°	2648	2638	2567
65°	2334	2319	2273
70°	2117	2087	2044
75°	1961	1914	1879
80°	1790	1765	1705
85°	1414	1402	1346

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 3741 cd/sqm

TEST NUMBER: P1050406

CATALOG NUMBER: PTR-14-50-PR1-L930-UNV-STD-W

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	146.3	3.8
10°-20°	419.8	10.8
20°-30°	636.0	16.3
30°-40°	759.2	19.5
40°-50°	746.7	19.1
50°-60°	577.1	14.8
60°-70°	363.9	9.3
70°-80°	196.8	5.0
80°-90°	53.8	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°	1202.1	30.8
0°-40°	1961.3	50.3
0°-60°	3285.0	84.2
0°-90°	3899.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3899.5	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1542	1542	1542	1542	1542	
5°	1538	1538	1534	1541	1542	146
15°	1487	1487	1484	1489	1492	420
25°	1380	1381	1377	1381	1382	636
35°	1219	1220	1216	1215	1211	761
45°	983	979	972	964	965	753
55°	649	655	647	636	634	583
65°	366	367	364	358	357	369
75°	189	186	184	185	181	200
85°	46	46	45	46	44	54
90°	0	0	0	0	0	

TEST NUMBER: P1050406

CATALOG NUMBER: PTR-14-50-PR1-L930-UNV-STD-W

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1541.9	1541.9	1541.9	1541.9	1541.9
2.5°	1541.3	1541.9	1537.5	1544.7	1546.4
5°	1537.5	1538.1	1534.1	1540.7	1542.5
7.5°	1529.7	1530.9	1527.1	1533.7	1535.3
10°	1518.6	1519.8	1516.0	1522.7	1524.3
12.5°	1505.0	1505.4	1502.2	1508.2	1509.8
15°	1486.7	1487.1	1484.5	1489.3	1491.5
17.5°	1465.6	1466.2	1462.4	1468.4	1469.4
20°	1440.3	1440.7	1438.5	1443.5	1444.1
22.5°	1412.0	1413.2	1409.8	1414.2	1414.8
25°	1380.1	1381.1	1376.7	1381.1	1381.7
27.5°	1346.4	1346.8	1342.9	1346.4	1345.8
30°	1307.0	1310.4	1305.4	1304.2	1303.8
32.5°	1266.2	1266.6	1261.8	1260.6	1262.8
35°	1219.3	1219.7	1216.4	1214.8	1211.4
37.5°	1167.8	1167.8	1161.6	1160.6	1160.0
40°	1111.4	1110.8	1107.0	1103.2	1099.2
42.5°	1050.0	1051.2	1043.4	1036.7	1035.7
45°	983.1	979.3	972.1	964.4	965.0
47.5°	904.2	905.2	895.4	889.1	887.5
50°	822.3	822.3	813.0	806.4	803.0
52.5°	736.7	737.3	728.5	719.7	717.9
55°	649.4	654.8	646.6	636.1	633.9
57.5°	567.7	572.1	564.2	553.2	552.6
60°	492.0	492.4	490.2	479.7	476.9
62.5°	427.3	424.5	423.3	417.9	414.4
65°	366.5	367.1	364.2	358.0	357.0
67.5°	317.3	316.7	311.6	307.8	305.6
70°	269.1	267.5	265.3	262.0	259.8
72.5°	226.1	226.1	224.3	223.3	219.5
75°	188.6	186.3	184.1	185.1	180.7
77.5°	152.6	150.4	148.6	146.4	145.4
80°	115.5	113.3	113.9	110.4	110.0
82.5°	80.1	80.1	79.1	76.3	76.9
85°	45.8	46.4	45.4	45.8	43.6
87.5°	16.7	17.1	18.3	17.1	17.1
90°	0.0	0.0	0.0	0.0	0.0



— 0°-180° - - 45°-225° 90°-270°

(END OF REPORT)