

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: P1050259

Luminaire Tested: PTR-14-50-PL1-L930-UNV-STD-W

Issue Date: 7/11/2025

Test Information

Test Method: LM-79-2019
Report Number: P1050259
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P737719)
Test Lab: INNOVATION CENTER
Issue Date: 7/11/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: PTR-14-50-PL1-L930-UNV-STD-W
Description: 8000 LUMEN 1X4 PERCEIVE PT TROFFER WITH 3000K, 90 CRI LEDS AND LEAVES LENS

Light Source:
Ballast/Driver: -

Summary

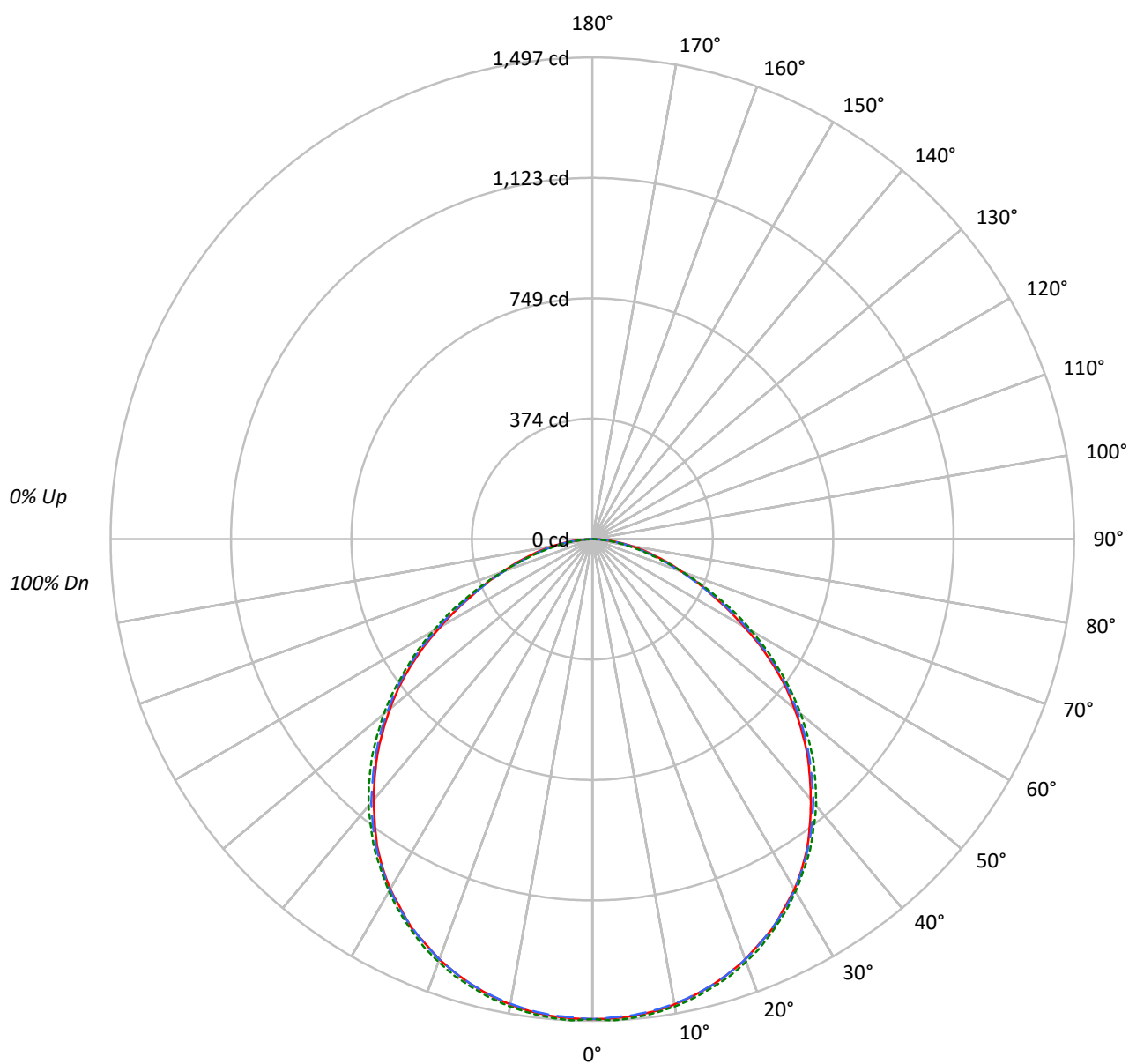
Lumens per Lamp: N/A
Luminaire Lumens: 3932.2 lumens
Efficiency: N/A
Efficacy: 96.1 lumens/watt
Spacing Criteria (0/90/45): 1.25 / 1.26 / 1.35
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

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: P1050259

CATALOG NUMBER: PTR-14-50-PL1-L930-UNV-STD-W

Luminous Intensity Polar Plot



TEST NUMBER: P1050259

CATALOG NUMBER: PTR-14-50-PL1-L930-UNV-STD-W

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	109	105	101	97	107	103	99	96	98	95	93	94	92	90	91	89	87	87	87	85
2	100	92	86	80	97	90	84	79	87	82	77	83	79	75	80	77	74	74	74	72
3	91	81	73	67	89	80	72	66	77	70	65	74	69	64	71	67	63	63	63	61
4	84	72	64	57	82	71	63	57	68	61	56	66	60	55	64	59	55	55	55	52
5	77	65	56	49	75	64	55	49	61	54	49	60	53	48	58	52	48	48	48	46
6	71	58	50	43	69	57	49	43	56	48	43	54	47	42	52	47	42	42	42	40
7	66	53	44	38	65	52	44	38	51	43	38	49	43	38	48	42	37	37	37	35
8	62	48	40	34	60	48	40	34	46	39	34	45	39	34	44	38	34	34	34	32
9	58	44	36	31	56	44	36	31	43	36	31	42	35	30	41	35	30	30	30	29
10	54	41	33	28	53	41	33	28	40	33	28	39	32	28	38	32	28	28	28	26

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	4014	4014	4014
5°	4018	4010	4032
10°	4013	4008	4031
15°	4000	3999	4019
20°	3980	3980	4003
25°	3953	3948	3969
30°	3903	3909	3928
35°	3829	3844	3875
40°	3710	3753	3801
45°	3594	3624	3694
50°	3436	3473	3542
55°	3236	3288	3327
60°	2936	2998	3073
65°	2607	2635	2742
70°	2330	2283	2340
75°	2102	1982	1942
80°	1911	1774	1574
85°	1618	1470	1266

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 3694 cd/sqm

TEST NUMBER: P1050259

CATALOG NUMBER: PTR-14-50-PL1-L930-UNV-STD-W

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	141.5	3.6
10°-20°	405.8	10.3
20°-30°	613.9	15.6
30°-40°	731.7	18.6
40°-50°	735.8	18.7
50°-60°	624.5	15.9
60°-70°	415.8	10.6
70°-80°	207.6	5.3
80°-90°	55.5	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°	1161.2	29.5
0°-40°	1893.0	48.1
0°-60°	3253.3	82.7
0°-90°	3932.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3932.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1492	1492	1492	1492	1492	
5°	1487	1488	1484	1491	1493	141
15°	1436	1438	1435	1441	1443	405
25°	1332	1332	1330	1336	1337	612
35°	1166	1167	1170	1178	1180	727
45°	944	946	952	965	971	727
55°	690	695	701	708	709	615
65°	410	413	414	420	431	411
75°	202	199	191	186	187	217
85°	52	51	48	45	41	61
90°	0	0	0	0	0	

TEST NUMBER: P1050259

CATALOG NUMBER: PTR-14-50-PL1-L930-UNV-STD-W

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1491.8	1491.8	1491.8	1491.8	1491.8
2.5°	1490.6	1491.8	1487.7	1495.0	1496.8
5°	1487.3	1487.7	1484.5	1491.2	1492.8
7.5°	1480.1	1480.7	1477.3	1484.5	1485.5
10°	1468.5	1469.7	1466.9	1473.5	1475.1
12.5°	1453.6	1455.2	1452.4	1459.6	1460.8
15°	1435.9	1437.5	1435.3	1441.4	1442.6
17.5°	1414.2	1415.4	1414.2	1419.9	1423.1
20°	1389.9	1389.9	1389.9	1395.0	1397.8
22.5°	1359.6	1362.4	1361.2	1367.8	1370.7
25°	1331.5	1331.5	1329.7	1335.9	1336.9
27.5°	1292.1	1296.6	1296.2	1301.6	1302.8
30°	1256.2	1257.4	1258.0	1261.8	1264.0
32.5°	1212.6	1213.6	1215.4	1220.8	1221.4
35°	1165.6	1166.8	1170.0	1178.3	1179.5
37.5°	1111.0	1117.0	1119.8	1128.7	1129.7
40°	1056.2	1060.0	1068.4	1077.6	1082.1
42.5°	1000.3	1004.7	1009.8	1022.4	1026.4
45°	944.5	946.1	952.3	965.0	970.6
47.5°	882.6	887.7	893.1	904.1	907.5
50°	820.8	826.2	829.6	839.5	846.1
52.5°	758.3	763.4	767.2	773.2	779.8
55°	689.8	694.7	700.9	707.5	709.1
57.5°	620.2	625.6	629.6	636.6	643.9
60°	545.5	551.7	557.1	563.7	571.0
62.5°	476.0	478.6	484.2	495.2	505.7
65°	409.5	412.9	413.9	420.1	430.6
67.5°	354.3	354.3	349.2	351.5	363.1
70°	296.2	294.0	290.2	288.0	297.4
72.5°	249.2	246.4	238.2	234.4	239.4
75°	202.2	199.4	190.6	186.2	186.8
77.5°	162.5	158.1	150.8	143.2	141.6
80°	123.3	121.5	114.5	107.2	101.6
82.5°	87.4	83.5	79.5	75.1	70.7
85°	52.4	51.4	47.6	44.8	41.0
87.5°	21.5	21.5	20.5	19.3	18.3
90°	0.0	0.0	0.0	0.0	0.0



— 0°-180° - - 45°-225° 90°-270°

(END OF REPORT)