

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: P1050455

Luminaire Tested: PTR-14-50-PW1-L930-UNV-STD-W

Issue Date: 7/11/2025

Test Information

Test Method: LM-79-2019
Report Number: P1050455
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P737743)
Test Lab: INNOVATION CENTER
Issue Date: 7/11/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: PTR-14-50-PW1-L930-UNV-STD-W
Description: 8000 LUMEN 1X4 PERCEIVE PT TROFFER WITH 3000K, 90 CRI LEDS AND RIPPLE LENS

Light Source:
Ballast/Driver: -

Summary

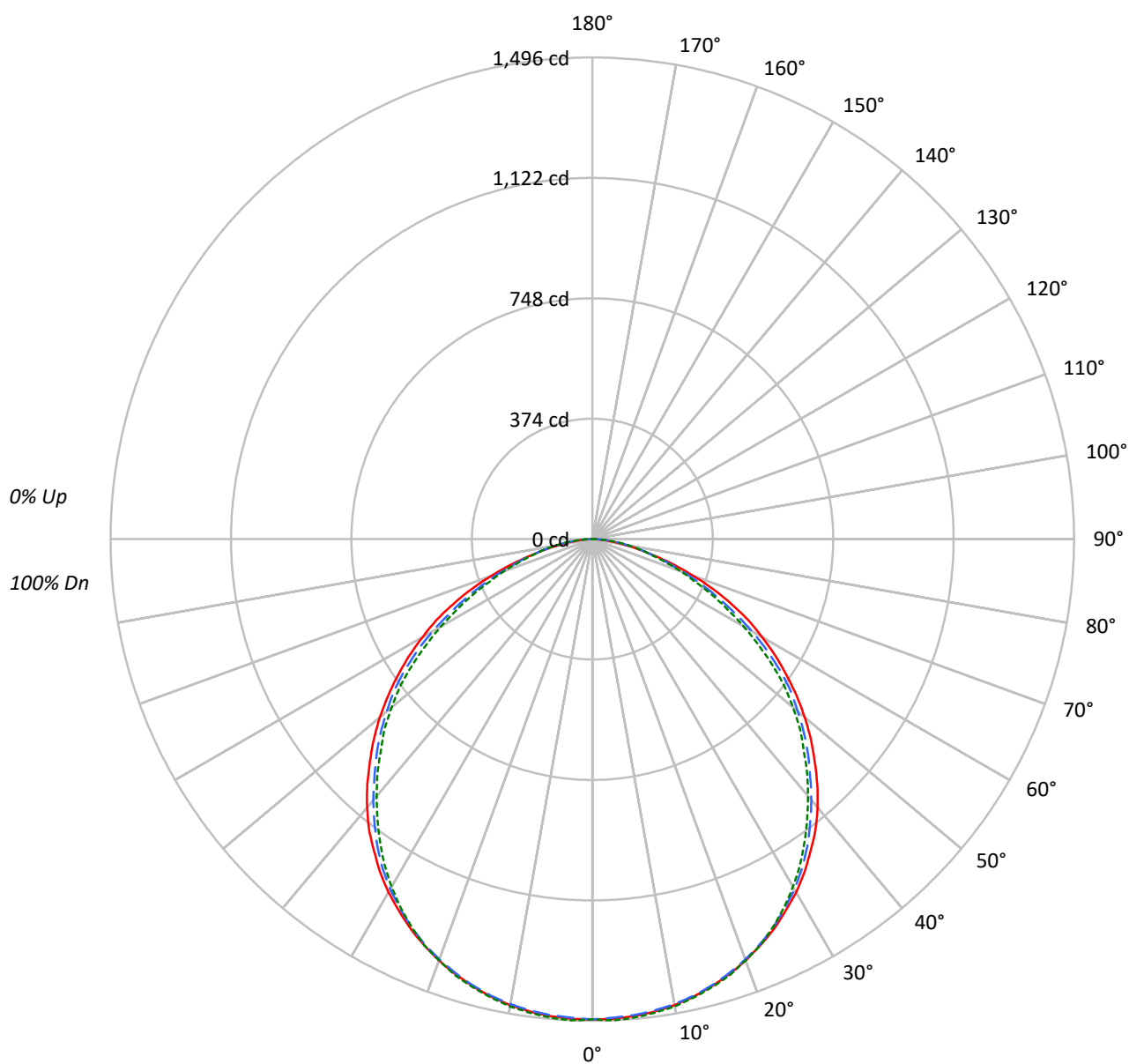
Lumens per Lamp: N/A
Luminaire Lumens: 3958.5 lumens
Efficiency: N/A
Efficacy: 96.8 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.24 / 1.34
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

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: P1050455

CATALOG NUMBER: PTR-14-50-PW1-L930-UNV-STD-W

Luminous Intensity Polar Plot



TEST NUMBER: P1050455

CATALOG NUMBER: PTR-14-50-PW1-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	95	98	95	92	94	92	90	91	89	87	87	87	85
2	100	92	85	80	97	90	84	79	86	81	77	83	79	75	80	77	74	74	74	71
3	91	81	73	67	89	79	72	66	76	70	65	74	68	64	71	67	63	63	63	61
4	84	72	63	57	81	71	63	57	68	61	56	66	60	55	64	59	54	54	54	52
5	77	64	56	49	75	63	55	49	61	54	48	59	53	48	57	52	47	47	47	45
6	71	58	49	43	69	57	49	43	55	48	42	54	47	42	52	46	42	42	42	40
7	66	53	44	38	64	52	44	38	50	43	38	49	42	37	48	42	37	37	37	35
8	62	48	40	34	60	48	40	34	46	39	34	45	38	34	44	38	33	33	33	31
9	58	44	36	31	56	44	36	31	43	35	30	41	35	30	40	34	30	30	30	28
10	54	41	33	28	53	40	33	28	39	32	28	38	32	28	38	32	27	27	27	26

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	4014	4014	4014
5°	4017	4009	4029
10°	4015	4007	4027
15°	4003	3997	4012
20°	3987	3978	3987
25°	3965	3948	3945
30°	3935	3900	3873
35°	3882	3824	3775
40°	3822	3718	3660
45°	3717	3607	3534
50°	3605	3487	3406
55°	3454	3338	3205
60°	3275	3082	2921
65°	3030	2752	2615
70°	2626	2396	2305
75°	2096	2050	1994
80°	1593	1781	1781
85°	1179	1519	1519

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 3717 cd/sqm

TEST NUMBER: P1050455

CATALOG NUMBER: PTR-14-50-PW1-L930-UNV-STD-W

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	141.5	3.6
10°-20°	405.7	10.2
20°-30°	613.2	15.5
30°-40°	728.1	18.4
40°-50°	733.6	18.5
50°-60°	634.1	16.0
60°-70°	433.4	10.9
70°-80°	213.7	5.4
80°-90°	55.3	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°	1160.4	29.3
0°-40°	1888.5	47.7
0°-60°	3256.2	82.3
0°-90°	3958.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3958.5	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1492	1492	1492	1492	1492	
5°	1487	1488	1484	1490	1492	141
15°	1437	1439	1435	1440	1440	406
25°	1335	1334	1330	1331	1329	615
35°	1182	1178	1164	1153	1149	740
45°	977	966	948	937	928	754
55°	736	734	711	690	683	658
65°	476	459	432	413	411	470
75°	202	200	197	197	192	220
85°	38	45	49	50	49	47
90°	0	0	0	0	0	

TEST NUMBER: P1050455

CATALOG NUMBER: PTR-14-50-PW1-L930-UNV-STD-W

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1491.6	1491.6	1491.6	1491.6	1491.6
2.5°	1491.2	1491.6	1487.8	1494.4	1496.0
5°	1487.2	1487.8	1484.0	1490.0	1491.6
7.5°	1480.2	1481.2	1476.8	1482.8	1484.0
10°	1469.5	1470.1	1466.3	1472.3	1473.6
12.5°	1455.3	1455.7	1452.5	1457.9	1457.9
15°	1437.0	1438.6	1434.8	1439.8	1440.2
17.5°	1416.5	1417.1	1413.3	1418.7	1419.9
20°	1392.2	1392.2	1389.0	1393.4	1392.2
22.5°	1365.1	1365.1	1361.3	1363.5	1364.5
25°	1335.4	1334.2	1329.8	1331.0	1328.7
27.5°	1301.0	1301.0	1293.2	1293.2	1289.4
30°	1266.3	1263.5	1255.2	1250.2	1246.4
32.5°	1226.3	1222.5	1212.1	1203.2	1200.4
35°	1181.7	1177.7	1163.9	1153.4	1149.0
37.5°	1138.6	1129.7	1111.4	1101.0	1096.0
40°	1088.1	1077.1	1058.4	1044.0	1041.8
42.5°	1034.1	1025.3	1001.0	990.3	987.7
45°	976.7	966.0	947.8	936.7	928.5
47.5°	920.2	912.4	891.5	878.3	875.5
50°	861.0	854.4	832.9	818.6	813.6
52.5°	799.7	795.3	777.0	758.8	752.7
55°	736.3	734.1	711.4	690.3	683.1
57.5°	673.8	671.0	642.7	618.4	611.8
60°	608.5	600.3	572.6	549.9	542.7
62.5°	546.7	529.0	499.1	481.4	473.2
65°	475.8	458.7	432.2	413.3	410.7
67.5°	406.3	385.8	365.3	353.7	344.8
70°	333.8	319.9	304.5	294.6	293.0
72.5°	266.3	256.5	248.6	242.6	237.6
75°	201.6	200.0	197.2	197.2	191.8
77.5°	148.2	152.0	154.2	153.6	154.8
80°	102.8	110.5	114.9	115.5	114.9
82.5°	65.3	74.1	81.3	82.3	83.5
85°	38.2	44.8	49.2	50.2	49.2
87.5°	17.1	21.5	22.7	23.7	22.7
90°	0.0	0.0	0.0	0.0	0.0



— 0°-180° - - 45°-225° 90°-270°

(END OF REPORT)