

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: P1050161

Luminaire Tested: PTR-14-50-PB1-L930-UNV-STD-W

Issue Date: 7/11/2025

Test Information

Test Method: LM-79-2019
Report Number: P1050161
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P737703)
Test Lab: INNOVATION CENTER
Issue Date: 7/11/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: PTR-14-50-PB1-L930-UNV-STD-W
Description: 8000 LUMEN 1X4 PERCEIVE PT TROFFER WITH 3000K, 90 CRI LEDS AND BEVEL LENS

Light Source:
Ballast/Driver: -

Summary

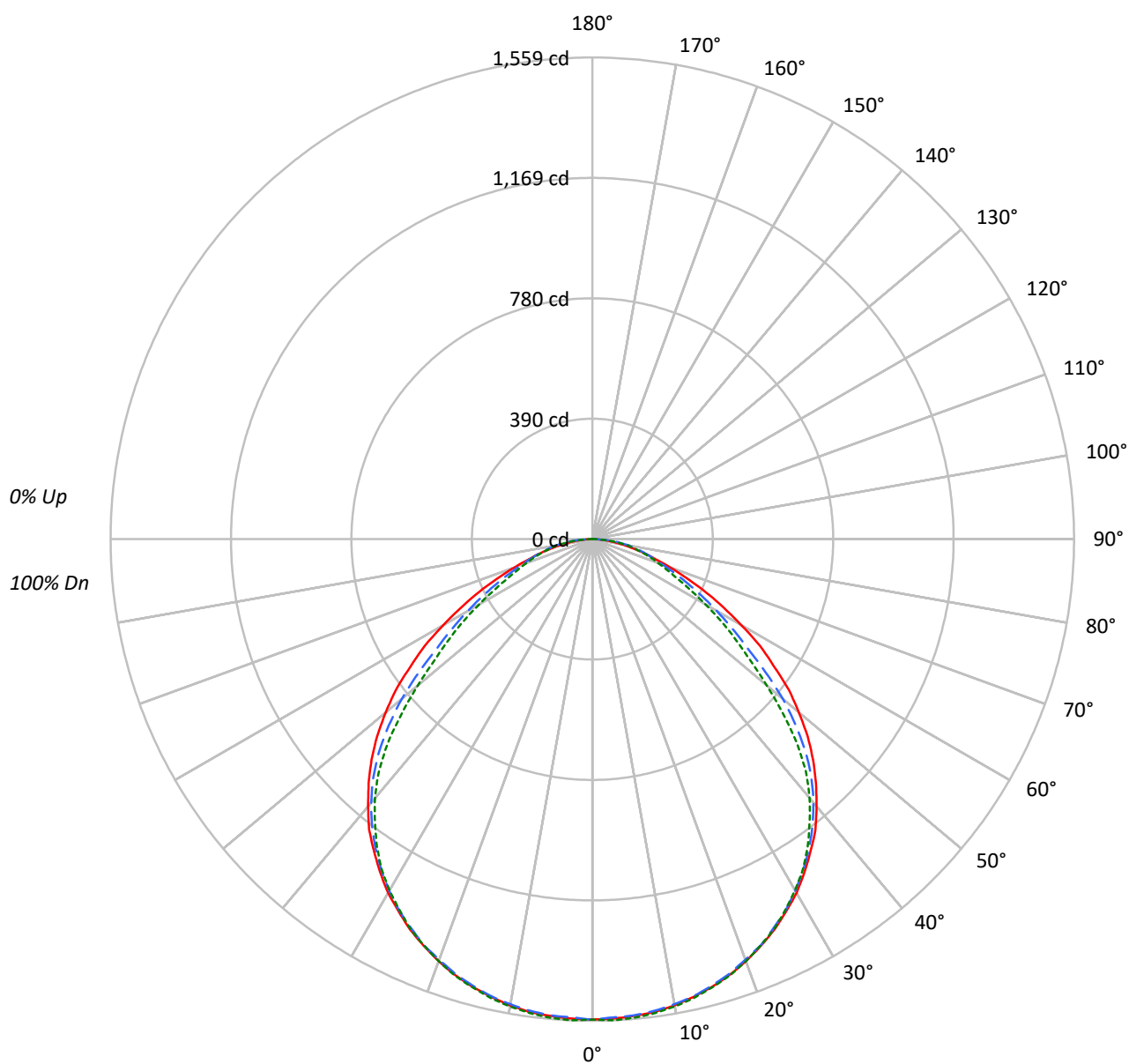
Lumens per Lamp: N/A
Luminaire Lumens: 3878.0 lumens
Efficiency: N/A
Efficacy: 94.8 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.25 / 1.34
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

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

TEST NUMBER: P1050161

CATALOG NUMBER: PTR-14-50-PB1-L930-UNV-STD-W

Luminous Intensity Polar Plot



TEST NUMBER: P1050161

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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	93	90	91	89	88	86		
2	100	93	86	81	98	91	85	80	87	83	78	84	80	77	81	78	75	73		
3	92	82	75	69	90	81	74	68	78	72	67	75	70	66	73	68	64	62		
4	85	73	65	59	83	72	64	58	70	63	58	67	62	57	65	60	56	54		
5	78	66	57	51	76	65	57	51	63	56	50	61	55	50	59	54	49	47		
6	72	60	51	45	71	59	51	45	57	50	44	55	49	44	54	48	44	42		
7	67	54	46	40	66	53	45	40	52	45	39	51	44	39	49	43	39	37		
8	63	50	41	36	61	49	41	36	48	41	35	46	40	35	45	39	35	33		
9	59	46	38	32	57	45	37	32	44	37	32	43	36	32	42	36	32	30		
10	55	42	34	29	54	42	34	29	41	34	29	40	33	29	39	33	29	27		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	4185	4185	4185
5°	4185	4180	4201
10°	4187	4177	4197
15°	4178	4168	4183
20°	4163	4147	4163
25°	4141	4123	4135
30°	4108	4084	4077
35°	4047	4016	3991
40°	3965	3911	3843
45°	3844	3720	3567
50°	3652	3371	3083
55°	3366	2863	2656
60°	2996	2502	2275
65°	2571	2169	1938
70°	2122	1912	1776
75°	1789	1829	1731
80°	1512	1867	1781
85°	1186	1893	1655

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 3844 cd/sqm

TEST NUMBER: P1050161

CATALOG NUMBER: PTR-14-50-PB1-L930-UNV-STD-W

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	147.5	3.8
10°-20°	423.1	10.9
20°-30°	641.0	16.5
30°-40°	763.7	19.7
40°-50°	746.8	19.3
50°-60°	564.9	14.6
60°-70°	347.1	8.9
70°-80°	184.9	4.8
80°-90°	59.0	1.5
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°	1211.6	31.2
0°-40°	1975.3	50.9
0°-60°	3287.0	84.8
0°-90°	3878.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3878.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1555	1555	1555	1555	1555	
5°	1549	1551	1548	1553	1555	147
15°	1500	1502	1496	1502	1502	423
25°	1395	1393	1389	1391	1393	642
35°	1232	1230	1222	1217	1215	771
45°	1010	1004	977	945	937	777
55°	717	681	610	576	566	642
65°	404	371	341	314	304	402
75°	172	174	176	170	166	185
85°	38	50	61	57	54	46
90°	0	0	0	0	0	

TEST NUMBER: P1050161

CATALOG NUMBER: PTR-14-50-PB1-L930-UNV-STD-W

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1555.2	1555.2	1555.2	1555.2	1555.2
2.5°	1553.4	1555.2	1549.4	1557.2	1559.0
5°	1549.4	1551.4	1547.6	1553.4	1555.2
7.5°	1543.8	1543.8	1540.0	1545.6	1547.6
10°	1532.3	1532.3	1528.5	1534.1	1536.1
12.5°	1517.1	1517.1	1515.1	1518.9	1520.9
15°	1499.8	1501.6	1496.0	1501.6	1501.6
17.5°	1478.7	1476.9	1474.9	1478.7	1480.7
20°	1453.8	1453.8	1448.2	1452.0	1453.8
22.5°	1425.1	1425.1	1423.3	1425.1	1423.3
25°	1394.6	1392.6	1388.7	1390.7	1392.6
27.5°	1358.2	1358.2	1354.4	1354.4	1352.4
30°	1321.9	1319.9	1314.2	1310.4	1312.2
32.5°	1277.9	1275.9	1270.2	1266.4	1268.2
35°	1231.9	1230.1	1222.4	1216.6	1214.8
37.5°	1186.1	1180.3	1170.6	1163.0	1155.4
40°	1128.7	1122.8	1113.4	1096.1	1094.1
42.5°	1071.2	1065.6	1050.1	1029.3	1023.4
45°	1010.0	1004.3	977.4	944.9	937.3
47.5°	944.9	935.5	893.3	853.1	837.9
50°	872.4	855.1	805.3	753.7	736.4
52.5°	801.5	771.0	705.9	659.9	642.9
55°	717.4	681.0	610.3	575.8	566.1
57.5°	642.9	593.0	535.6	501.3	493.6
60°	556.7	510.7	464.9	434.2	422.7
62.5°	478.2	438.0	399.9	372.9	359.7
65°	403.7	371.1	340.6	313.7	304.3
67.5°	331.0	313.7	288.8	267.9	262.1
70°	269.7	260.1	243.0	233.4	225.7
72.5°	214.3	218.1	206.7	202.8	197.0
75°	172.1	174.1	175.9	170.3	166.5
77.5°	130.1	139.6	147.2	143.4	139.6
80°	97.6	107.0	120.5	114.9	114.9
82.5°	66.9	78.5	90.0	86.2	84.1
85°	38.4	49.8	61.3	57.4	53.6
87.5°	15.3	24.9	26.7	26.7	24.9
90°	0.0	0.0	0.0	0.0	0.0



— 0°-180° - - 45°-225° 90°-270°

(END OF REPORT)