

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: P1050141

Luminaire Tested: PTR-14-30-PB1-L940-UNV-STD-W

Issue Date: 7/11/2025

Test Information

Test Method: LM-79-2019
Report Number: P1050141
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-14-30-PB1-L940-UNV-STD-W
Description: 3000 LUMEN 1X4 PERCEIVE PT TROFFER WITH 4000K, 90 CRI LEDS AND BEVEL LENS

Light Source:
Ballast/Driver: -

Summary

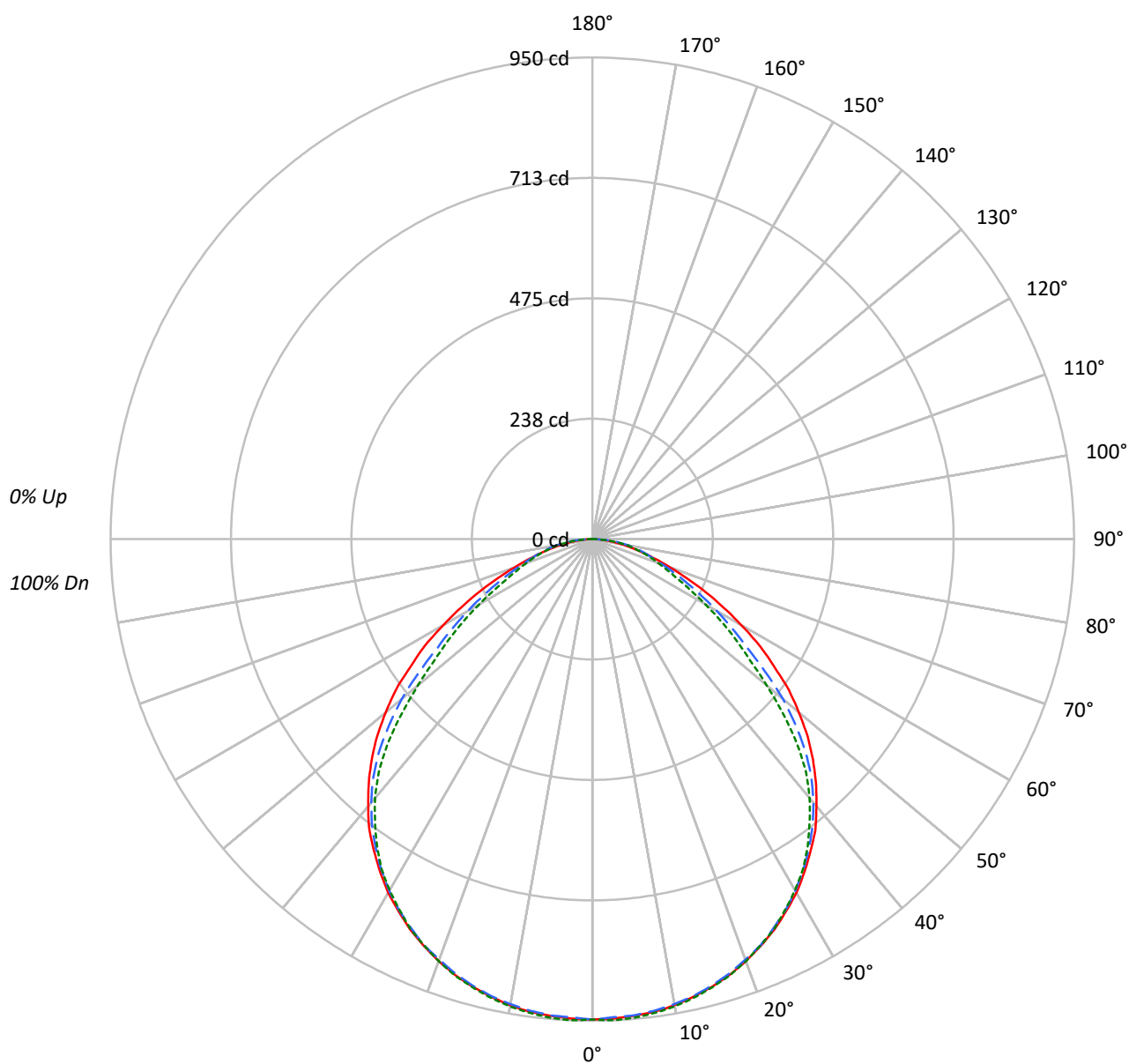
Lumens per Lamp: N/A
Luminaire Lumens: 2362.6 lumens
Efficiency: N/A
Efficacy: 102.7 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.25 / 1.34
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 23
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: P1050141

CATALOG NUMBER: PTR-14-30-PB1-L940-UNV-STD-W

Luminous Intensity Polar Plot



TEST NUMBER: P1050141

CATALOG NUMBER: PTR-14-30-PB1-L940-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	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°	2550	2550	2550
5°	2550	2547	2559
10°	2551	2544	2557
15°	2545	2539	2549
20°	2536	2527	2536
25°	2523	2512	2519
30°	2502	2488	2484
35°	2465	2446	2431
40°	2415	2383	2342
45°	2342	2266	2173
50°	2225	2054	1878
55°	2050	1744	1618
60°	1826	1524	1386
65°	1566	1321	1181
70°	1293	1164	1082
75°	1091	1115	1054
80°	922	1137	1085
85°	722	1152	1010

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 2342 cd/sqm

TEST NUMBER: P1050141

CATALOG NUMBER: PTR-14-30-PB1-L940-UNV-STD-W

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	89.8	3.8
10°-20°	257.8	10.9
20°-30°	390.5	16.5
30°-40°	465.3	19.7
40°-50°	455.0	19.3
50°-60°	344.2	14.6
60°-70°	211.4	8.9
70°-80°	112.7	4.8
80°-90°	35.9	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°	738.1	31.2
0°-40°	1203.4	50.9
0°-60°	2002.5	84.8
0°-90°	2362.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2362.6	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	948	948	948	948	948	
5°	944	945	943	946	948	90
15°	914	915	911	915	915	258
25°	850	848	846	847	848	391
35°	750	749	745	741	740	469
45°	615	612	596	576	571	473
55°	437	415	372	351	345	391
65°	246	226	208	191	185	245
75°	105	106	107	104	101	112
85°	23	30	37	35	33	28
90°	0	0	0	0	0	

TEST NUMBER: P1050141

CATALOG NUMBER: PTR-14-30-PB1-L940-UNV-STD-W

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	947.5	947.5	947.5	947.5	947.5
2.5°	946.4	947.5	943.9	948.7	949.8
5°	943.9	945.1	942.8	946.4	947.5
7.5°	940.5	940.5	938.2	941.6	942.8
10°	933.5	933.5	931.2	934.6	935.8
12.5°	924.2	924.2	923.0	925.3	926.5
15°	913.7	914.8	911.4	914.8	914.8
17.5°	900.9	899.8	898.5	900.9	902.1
20°	885.7	885.7	882.3	884.6	885.7
22.5°	868.2	868.2	867.1	868.2	867.1
25°	849.6	848.4	846.0	847.3	848.4
27.5°	827.4	827.4	825.1	825.1	823.9
30°	805.3	804.1	800.7	798.3	799.4
32.5°	778.5	777.3	773.9	771.5	772.6
35°	750.5	749.4	744.7	741.2	740.1
37.5°	722.6	719.0	713.2	708.5	703.9
40°	687.6	684.1	678.3	667.8	666.6
42.5°	652.6	649.2	639.8	627.0	623.5
45°	615.3	611.9	595.5	575.7	571.0
47.5°	575.7	569.9	544.2	519.7	510.4
50°	531.5	521.0	490.6	459.2	448.7
52.5°	488.3	469.7	430.1	402.0	391.6
55°	437.0	414.9	371.8	350.8	344.9
57.5°	391.6	361.3	326.3	305.4	300.7
60°	339.2	311.1	283.2	264.5	257.5
62.5°	291.3	266.8	243.6	227.2	219.1
65°	245.9	226.1	207.5	191.1	185.4
67.5°	201.6	191.1	175.9	163.2	159.7
70°	164.3	158.4	148.0	142.2	137.5
72.5°	130.5	132.9	125.9	123.6	120.0
75°	104.9	106.1	107.2	103.8	101.4
77.5°	79.3	85.0	89.7	87.4	85.0
80°	59.5	65.2	73.4	70.0	70.0
82.5°	40.7	47.8	54.8	52.5	51.3
85°	23.4	30.3	37.3	35.0	32.7
87.5°	9.3	15.2	16.3	16.3	15.2
90°	0.0	0.0	0.0	0.0	0.0



— 0°-180° - - 45°-225° 90°-270°

(END OF REPORT)