

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: P1050386

Luminaire Tested: PTR-14-30-PR1-L940-UNV-STD-W

Issue Date: 7/11/2025

Test Information

Test Method: LM-79-2019
Report Number: P1050386
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-14-30-PR1-L940-UNV-STD-W
Description: 3000 LUMEN 1X4 PERCEIVE PT TROFFER WITH 4000K, 90 CRI LEDS AND RIPPLE LENS

Light Source:
Ballast/Driver: -

Summary

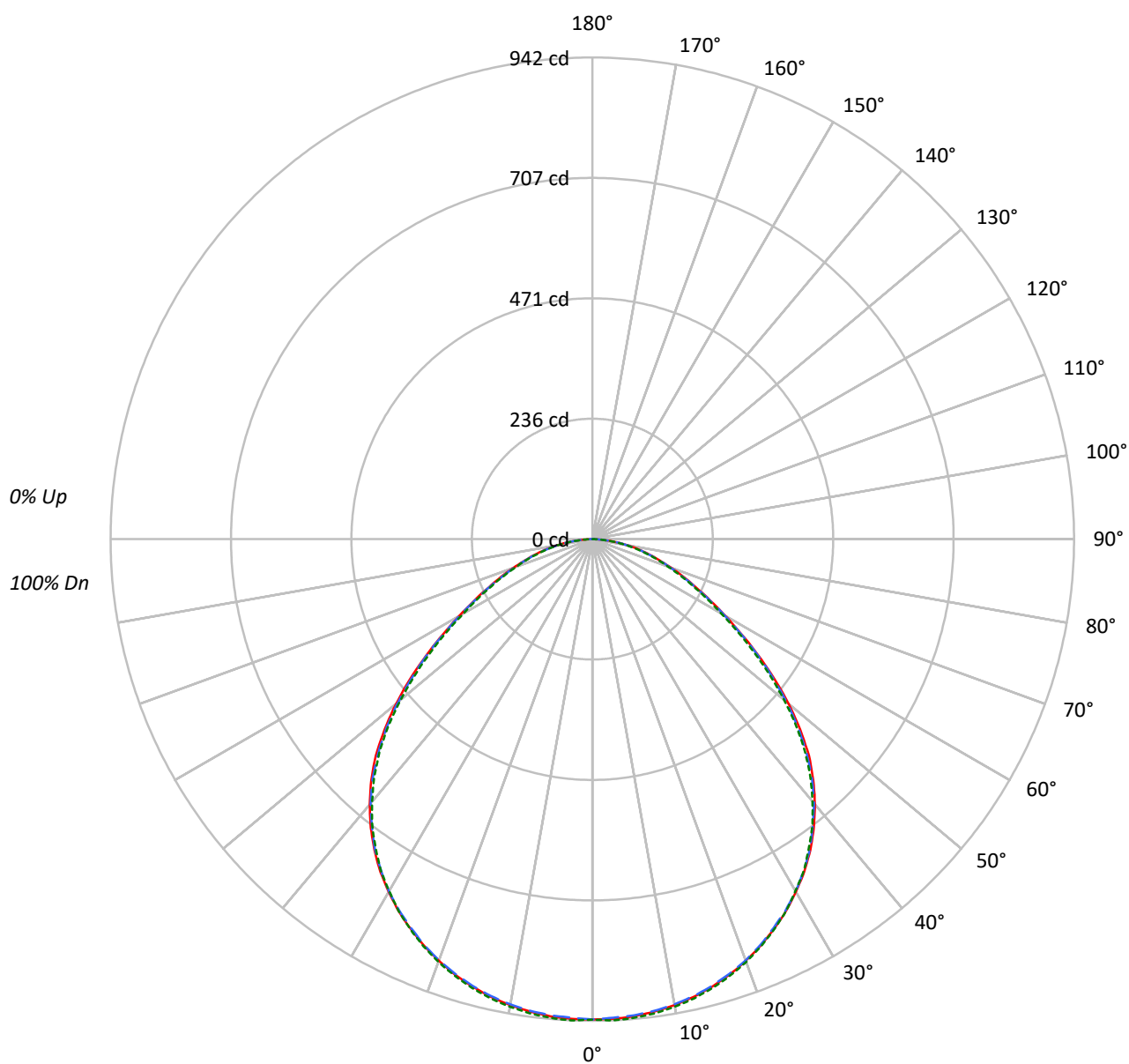
Lumens per Lamp: N/A
Luminaire Lumens: 2376.0 lumens
Efficiency: N/A
Efficacy: 103.3 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.26 / 1.34
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 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: P1050386

CATALOG NUMBER: PTR-14-30-PR1-L940-UNV-STD-W

Luminous Intensity Polar Plot



TEST NUMBER: P1050386

CATALOG NUMBER: PTR-14-30-PR1-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	92	90	91	89	88	85		
2	100	93	86	81	98	91	85	80	87	82	78	84	80	76	81	78	75	73		
3	92	82	74	68	90	80	73	68	78	71	66	75	70	65	72	68	64	62		
4	85	73	65	58	82	72	64	58	69	63	57	67	61	56	65	60	56	54		
5	78	66	57	51	76	65	56	50	62	55	50	61	54	49	59	53	49	47		
6	72	59	51	45	70	58	50	44	57	49	44	55	49	44	53	48	43	41		
7	67	54	45	40	65	53	45	39	52	44	39	50	44	39	49	43	39	37		
8	62	49	41	35	61	49	41	35	47	40	35	46	40	35	45	39	35	33		
9	58	45	37	32	57	45	37	32	44	37	32	43	36	32	42	36	31	30		
10	55	42	34	29	54	41	34	29	40	34	29	39	33	29	39	33	29	27		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2528	2528	2528
5°	2531	2525	2539
10°	2528	2524	2538
15°	2524	2520	2532
20°	2513	2510	2520
25°	2497	2491	2500
30°	2475	2472	2468
35°	2440	2435	2425
40°	2379	2369	2353
45°	2280	2254	2238
50°	2097	2074	2048
55°	1856	1848	1812
60°	1614	1608	1564
65°	1422	1413	1385
70°	1290	1271	1245
75°	1195	1167	1145
80°	1089	1075	1038
85°	861	855	818

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 2280 cd/sqm

TEST NUMBER: P1050386

CATALOG NUMBER: PTR-14-30-PR1-L940-UNV-STD-W

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	89.1	3.8
10°-20°	255.8	10.8
20°-30°	387.5	16.3
30°-40°	462.6	19.5
40°-50°	454.9	19.1
50°-60°	351.6	14.8
60°-70°	221.7	9.3
70°-80°	119.9	5.0
80°-90°	32.8	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°	732.4	30.8
0°-40°	1195.0	50.3
0°-60°	2001.6	84.2
0°-90°	2376.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2376.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	940	940	940	940	940	
5°	937	937	935	939	940	89
15°	906	906	904	908	909	256
25°	841	842	839	842	842	388
35°	743	743	741	740	738	464
45°	599	597	592	588	588	459
55°	396	399	394	388	386	355
65°	223	224	222	218	218	225
75°	115	114	112	113	110	122
85°	28	28	28	28	26	33
90°	0	0	0	0	0	

TEST NUMBER: P1050386

CATALOG NUMBER: PTR-14-30-PR1-L940-UNV-STD-W

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	939.5	939.5	939.5	939.5	939.5
2.5°	939.1	939.5	936.8	941.2	942.2
5°	936.8	937.2	934.7	938.8	939.9
7.5°	932.0	932.8	930.5	934.5	935.5
10°	925.3	926.0	923.7	927.8	928.7
12.5°	917.0	917.2	915.3	919.0	919.9
15°	905.9	906.1	904.5	907.5	908.8
17.5°	893.0	893.4	891.1	894.7	895.3
20°	877.6	877.8	876.5	879.6	879.9
22.5°	860.3	861.1	859.0	861.7	862.1
25°	840.9	841.5	838.8	841.5	841.9
27.5°	820.3	820.6	818.3	820.3	820.0
30°	796.4	798.4	795.4	794.6	794.4
32.5°	771.5	771.8	768.8	768.1	769.4
35°	742.9	743.1	741.2	740.2	738.1
37.5°	711.6	711.6	707.8	707.2	706.8
40°	677.2	676.8	674.5	672.2	669.7
42.5°	639.8	640.5	635.7	631.7	631.1
45°	599.0	596.7	592.3	587.6	588.0
47.5°	550.9	551.5	545.5	541.8	540.8
50°	501.0	501.0	495.4	491.3	489.3
52.5°	448.9	449.3	443.9	438.5	437.4
55°	395.7	399.0	394.0	387.6	386.3
57.5°	345.9	348.6	343.8	337.1	336.7
60°	299.8	300.0	298.7	292.3	290.6
62.5°	260.4	258.6	257.9	254.6	252.5
65°	223.3	223.7	221.9	218.1	217.5
67.5°	193.3	192.9	189.9	187.6	186.2
70°	163.9	163.0	161.6	159.7	158.3
72.5°	137.8	137.8	136.7	136.1	133.7
75°	114.9	113.5	112.2	112.8	110.1
77.5°	93.0	91.6	90.5	89.2	88.6
80°	70.3	69.0	69.4	67.3	67.0
82.5°	48.8	48.8	48.2	46.5	46.9
85°	27.9	28.3	27.7	27.9	26.5
87.5°	10.2	10.4	11.1	10.4	10.4
90°	0.0	0.0	0.0	0.0	0.0



— 0°-180° - - 45°-225° 90°-270°

(END OF REPORT)