

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: P1050435

Luminaire Tested: PTR-14-30-PW1-L940-UNV-STD-W

Issue Date: 7/11/2025

Test Information

Test Method: LM-79-2019
Report Number: P1050435
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-14-30-PW1-L940-UNV-STD-W
Description: 3000 LUMEN 1X4 PERCEIVE PT TROFFER WITH 4000K, 90 CRI LEDS AND RIPPLE LENS

Light Source:
Ballast/Driver: -

Summary

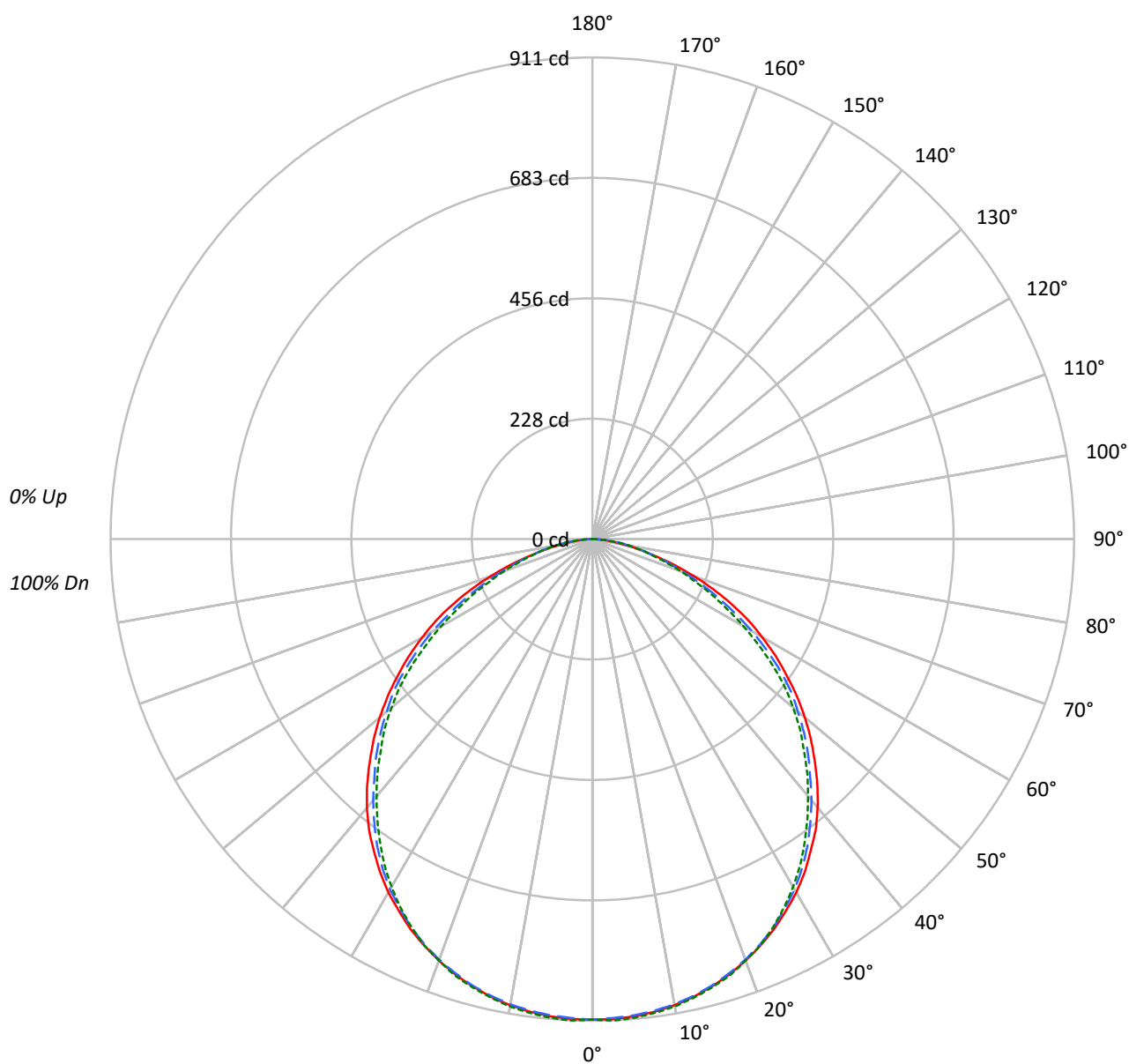
Lumens per Lamp: N/A
Luminaire Lumens: 2411.5 lumens
Efficiency: N/A
Efficacy: 104.8 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.24 / 1.34
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 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: P1050435

CATALOG NUMBER: PTR-14-30-PW1-L940-UNV-STD-W

Luminous Intensity Polar Plot



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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	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°	2445	2445	2445
5°	2447	2442	2455
10°	2446	2441	2453
15°	2439	2435	2444
20°	2429	2423	2429
25°	2415	2405	2404
30°	2397	2376	2359
35°	2365	2329	2300
40°	2329	2265	2229
45°	2264	2197	2152
50°	2196	2124	2075
55°	2104	2033	1952
60°	1995	1877	1779
65°	1845	1677	1593
70°	1600	1459	1404
75°	1277	1249	1214
80°	970	1085	1085
85°	716	926	926

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 2264 cd/sqm

TEST NUMBER: P1050435

CATALOG NUMBER: PTR-14-30-PW1-L940-UNV-STD-W

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	86.2	3.6
10°-20°	247.2	10.2
20°-30°	373.6	15.5
30°-40°	443.6	18.4
40°-50°	446.9	18.5
50°-60°	386.3	16.0
60°-70°	264.0	10.9
70°-80°	130.2	5.4
80°-90°	33.7	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°	706.9	29.3
0°-40°	1150.5	47.7
0°-60°	1983.6	82.3
0°-90°	2411.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2411.5	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	909	909	909	909	909	
5°	906	906	904	908	909	86
15°	875	876	874	877	877	247
25°	814	813	810	811	810	375
35°	720	718	709	703	700	451
45°	595	588	577	571	566	459
55°	448	447	433	420	416	401
65°	290	279	263	252	250	286
75°	123	122	120	120	117	134
85°	23	27	30	31	30	28
90°	0	0	0	0	0	

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CATALOG NUMBER: PTR-14-30-PW1-L940-UNV-STD-W

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	908.7	908.7	908.7	908.7	908.7
2.5°	908.5	908.7	906.4	910.4	911.4
5°	906.0	906.4	904.1	907.7	908.7
7.5°	901.7	902.3	899.6	903.3	904.1
10°	895.2	895.6	893.3	897.0	897.7
12.5°	886.6	886.8	884.8	888.1	888.1
15°	875.4	876.4	874.1	877.1	877.4
17.5°	862.9	863.3	861.0	864.3	865.0
20°	848.1	848.1	846.2	848.9	848.1
22.5°	831.6	831.6	829.3	830.6	831.3
25°	813.5	812.8	810.1	810.8	809.5
27.5°	792.6	792.6	787.8	787.8	785.5
30°	771.4	769.7	764.7	761.6	759.3
32.5°	747.1	744.8	738.4	733.0	731.3
35°	719.9	717.5	709.0	702.7	700.0
37.5°	693.6	688.2	677.1	670.7	667.7
40°	662.9	656.2	644.8	636.0	634.6
42.5°	630.0	624.6	609.8	603.3	601.7
45°	595.0	588.5	577.4	570.6	565.6
47.5°	560.6	555.8	543.1	535.0	533.3
50°	524.5	520.5	507.4	498.7	495.6
52.5°	487.2	484.5	473.4	462.2	458.6
55°	448.5	447.2	433.4	420.5	416.1
57.5°	410.5	408.8	391.5	376.7	372.7
60°	370.7	365.7	348.8	335.0	330.6
62.5°	333.0	322.3	304.0	293.3	288.3
65°	289.8	279.4	263.3	251.8	250.2
67.5°	247.5	235.0	222.6	215.5	210.1
70°	203.3	194.9	185.5	179.5	178.5
72.5°	162.2	156.2	151.5	147.8	144.7
75°	122.8	121.9	120.1	120.1	116.8
77.5°	90.3	92.6	94.0	93.6	94.3
80°	62.6	67.3	70.0	70.4	70.0
82.5°	39.8	45.1	49.6	50.2	50.9
85°	23.2	27.3	30.0	30.6	30.0
87.5°	10.4	13.1	13.8	14.4	13.8
90°	0.0	0.0	0.0	0.0	0.0



— 0°-180° - - 45°-225° 90°-270°

(END OF REPORT)