

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: P1050239

Luminaire Tested: PTR-14-30-PL1-L940-UNV-STD-W

Issue Date: 7/11/2025

Test Information

Test Method: LM-79-2019
Report Number: P1050239
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P737719)
Test Lab: INNOVATION CENTER
Issue Date: 7/11/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: PTR-14-30-PL1-L940-UNV-STD-W
Description: 3000 LUMEN 1X4 PERCEIVE PT TROFFER WITH 4000K, 90 CRI LEDS AND LEAVES LENS

Light Source:
Ballast/Driver: -

Summary

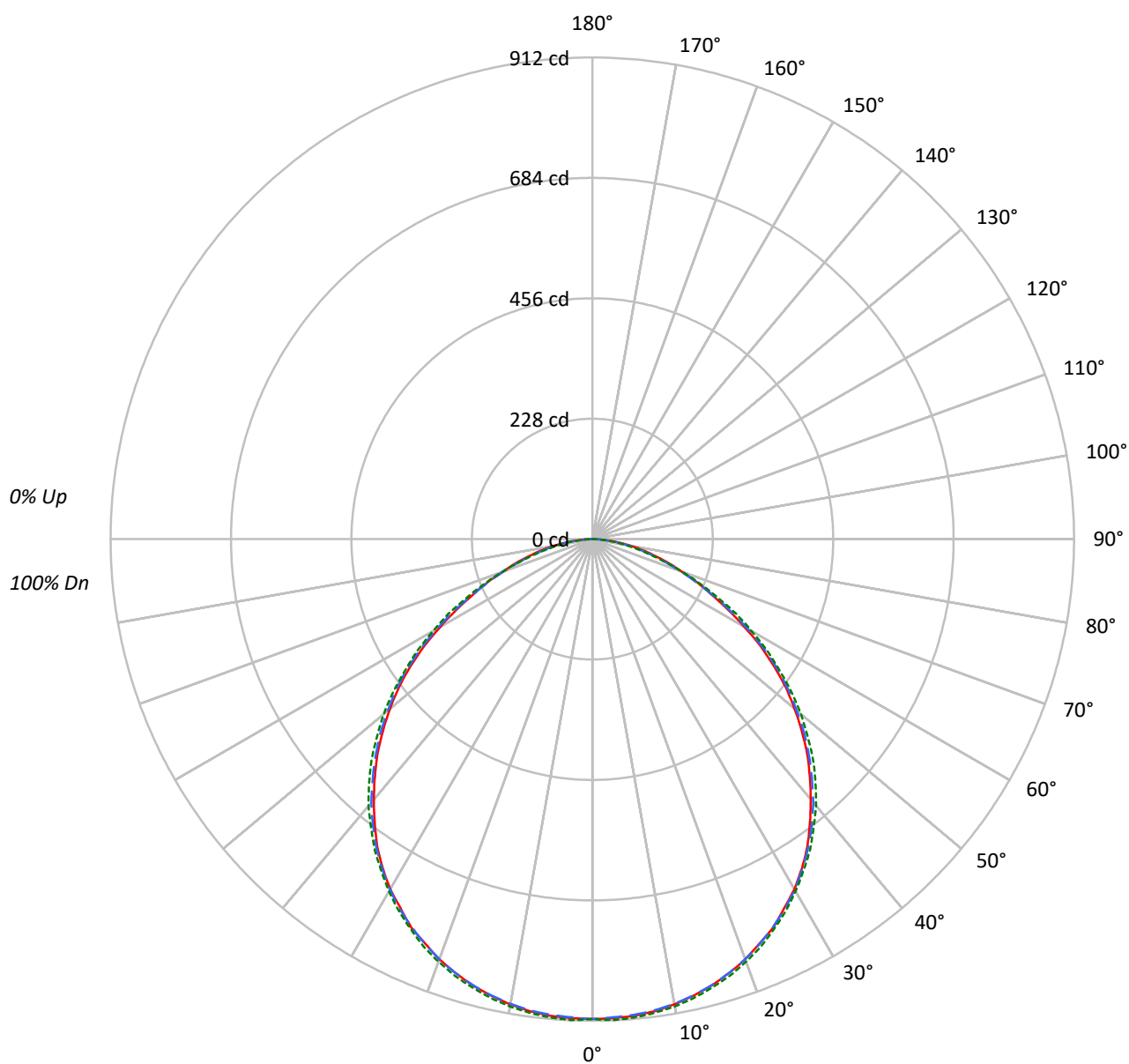
Lumens per Lamp: N/A
Luminaire Lumens: 2395.2 lumens
Efficiency: N/A
Efficacy: 104.1 lumens/watt
Spacing Criteria (0/90/45): 1.25 / 1.26 / 1.35
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

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

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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	100		
1	109	105	101	97	107	103	99	96	98	95	93	94	92	90	91	89	87	85		
2	100	92	86	80	97	90	84	79	87	82	77	83	79	75	80	77	74	72		
3	91	81	73	67	89	80	72	66	77	70	65	74	69	64	71	67	63	61		
4	84	72	64	57	82	71	63	57	68	61	56	66	60	55	64	59	55	52		
5	77	65	56	49	75	64	55	49	61	54	49	60	53	48	58	52	48	46		
6	71	58	50	43	69	57	49	43	56	48	43	54	47	42	52	47	42	40		
7	66	53	44	38	65	52	44	38	51	43	38	49	43	38	48	42	37	35		
8	62	48	40	34	60	48	40	34	46	39	34	45	39	34	44	38	34	32		
9	58	44	36	31	56	44	36	31	43	36	31	42	35	30	41	35	30	29		
10	54	41	33	28	53	41	33	28	40	33	28	39	32	28	38	32	28	26		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2445	2445	2445
5°	2447	2443	2456
10°	2444	2441	2455
15°	2437	2436	2448
20°	2424	2424	2438
25°	2408	2405	2418
30°	2378	2381	2392
35°	2332	2341	2360
40°	2260	2286	2315
45°	2189	2208	2250
50°	2093	2115	2158
55°	1971	2003	2026
60°	1788	1826	1872
65°	1588	1605	1670
70°	1419	1391	1426
75°	1281	1207	1183
80°	1164	1080	959
85°	985	895	772

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 2250 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	86.2	3.6
10°-20°	247.2	10.3
20°-30°	373.9	15.6
30°-40°	445.7	18.6
40°-50°	448.2	18.7
50°-60°	380.4	15.9
60°-70°	253.3	10.6
70°-80°	126.5	5.3
80°-90°	33.8	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°	707.3	29.5
0°-40°	1153.0	48.1
0°-60°	1981.6	82.7
0°-90°	2395.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2395.2	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	878	879	247
25°	811	811	810	814	814	373
35°	710	711	713	718	718	443
45°	575	576	580	588	591	443
55°	420	423	427	431	432	374
65°	249	252	252	256	262	250
75°	123	122	116	113	114	132
85°	32	31	29	27	25	37
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	908.7	908.7	908.7	908.7	908.7
2.5°	907.9	908.7	906.2	910.6	911.7
5°	906.0	906.2	904.3	908.3	909.3
7.5°	901.6	901.9	899.9	904.3	904.9
10°	894.5	895.2	893.5	897.5	898.5
12.5°	885.4	886.4	884.7	889.1	889.8
15°	874.7	875.6	874.3	878.0	878.7
17.5°	861.4	862.2	861.4	864.9	866.8
20°	846.6	846.6	846.6	849.7	851.4
22.5°	828.2	829.9	829.2	833.2	834.9
25°	811.0	811.0	809.9	813.7	814.3
27.5°	787.1	789.8	789.5	792.8	793.6
30°	765.2	765.9	766.3	768.6	769.9
32.5°	738.6	739.2	740.3	743.6	744.0
35°	710.0	710.7	712.7	717.7	718.4
37.5°	676.7	680.4	682.1	687.5	688.1
40°	643.3	645.7	650.8	656.4	659.1
42.5°	609.3	612.0	615.1	622.8	625.2
45°	575.3	576.3	580.1	587.8	591.2
47.5°	537.6	540.7	544.0	550.7	552.8
50°	500.0	503.3	505.3	511.3	515.4
52.5°	461.9	465.0	467.3	471.0	475.0
55°	420.2	423.1	426.9	431.0	431.9
57.5°	377.8	381.1	383.5	387.8	392.2
60°	332.2	336.0	339.3	343.4	347.8
62.5°	289.9	291.5	294.9	301.7	308.0
65°	249.4	251.5	252.1	255.9	262.3
67.5°	215.8	215.8	212.7	214.1	221.2
70°	180.4	179.1	176.8	175.4	181.2
72.5°	151.8	150.1	145.1	142.8	145.8
75°	123.2	121.5	116.1	113.4	113.8
77.5°	99.0	96.3	91.9	87.2	86.2
80°	75.1	74.0	69.7	65.3	61.9
82.5°	53.2	50.9	48.4	45.8	43.1
85°	31.9	31.3	29.0	27.3	25.0
87.5°	13.1	13.1	12.5	11.7	11.1
90°	0.0	0.0	0.0	0.0	0.0



— 0°-180° - - 45°-225° 90°-270°

(END OF REPORT)