

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: P1050092

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

Issue Date: 7/11/2025

Test Information

Test Method: LM-79-2019
Report Number: P1050092
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2310-200-1)
Test Lab: INNOVATION CENTER
Issue Date: 7/11/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: PTR-14-30-L940-UNV-STD-W
Description: 3000 LUMEN 1X4 PERCEIVE PT TROFFER WITH 4000K, 90 CRI LEDS AND FROSTED LENS

Light Source:
Ballast/Driver: -

Summary

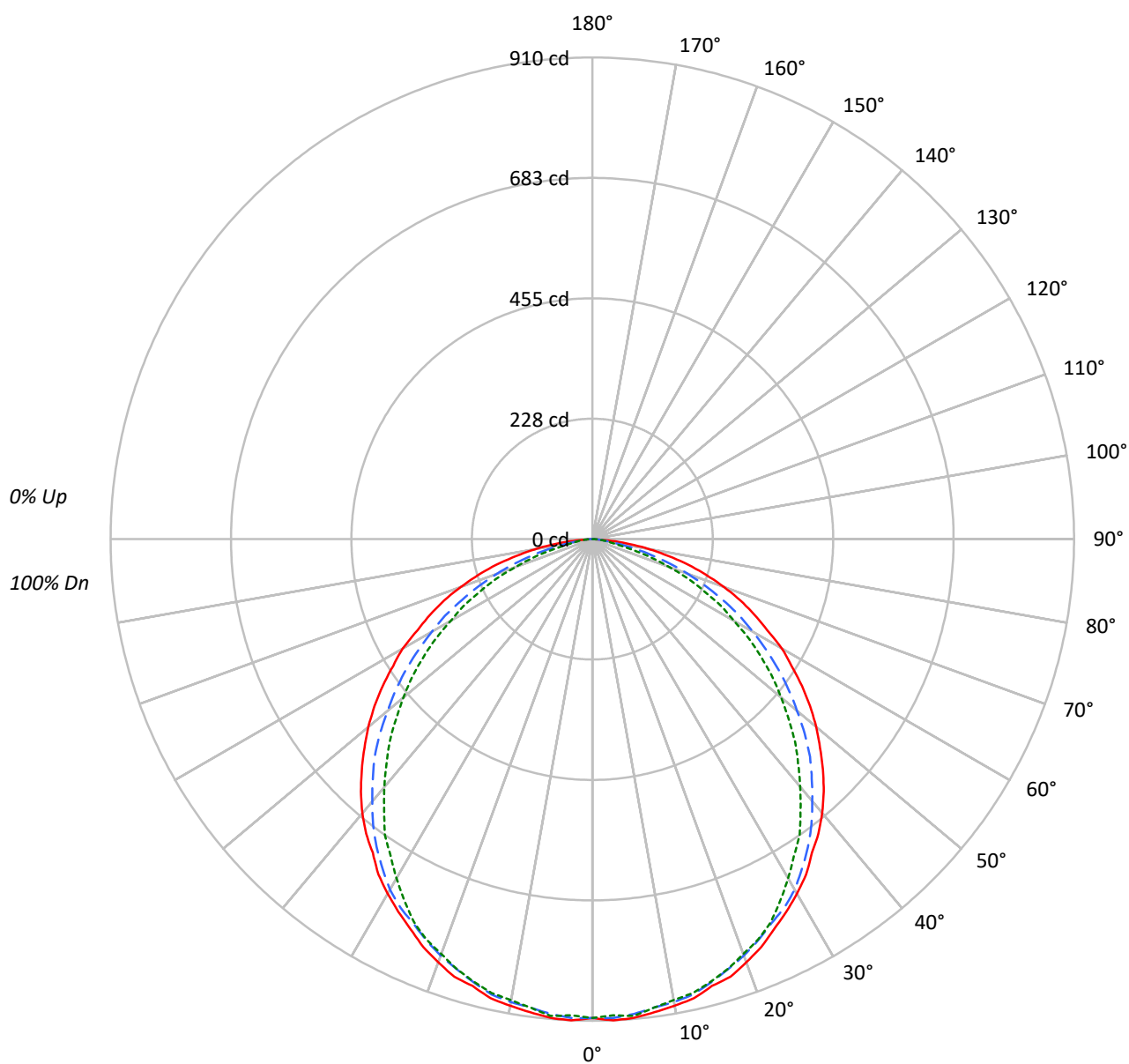
Lumens per Lamp: N/A
Luminaire Lumens: 2409.8 lumens
Efficiency: N/A
Efficacy: 104.8 lumens/watt
Spacing Criteria (0/90/45): 1.27 / 1.21 / 1.35
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

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	102	102	100
1	109	105	101	97	107	103	99	96	98	95	93	95	92	90	91	89	87	87	87	85
2	100	92	85	80	97	90	84	79	87	81	77	83	79	75	80	77	74	74	74	72
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	56	68	61	56	66	60	55	64	58	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	61	48	40	34	60	47	39	34	46	39	34	45	38	33	44	38	33	33	33	31
9	57	44	36	31	56	44	36	30	42	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	27	37	32	27	27	27	26

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2435	2435	2435
5°	2452	2432	2442
10°	2446	2426	2416
15°	2435	2415	2411
20°	2436	2398	2389
25°	2413	2377	2369
30°	2403	2376	2299
35°	2375	2333	2243
40°	2374	2271	2146
45°	2344	2213	2061
50°	2312	2114	1949
55°	2267	2015	1830
60°	2227	1885	1661
65°	2151	1729	1486
70°	2082	1505	1212
75°	1956	1187	835
80°	1695	717	501
85°	1130	516	482

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 2344 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	85.8	3.6
10°-20°	245.4	10.2
20°-30°	370.7	15.4
30°-40°	440.7	18.3
40°-50°	447.0	18.5
50°-60°	388.1	16.1
60°-70°	275.5	11.4
70°-80°	131.7	5.5
80°-90°	25.0	1.0
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°	701.8	29.1
0°-40°	1142.5	47.4
0°-60°	1977.6	82.1
0°-90°	2409.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2409.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	905	905	905	905	905	
5°	908	905	900	902	904	86
15°	874	876	867	866	865	248
25°	813	812	801	804	798	375
35°	723	722	710	686	683	454
45°	616	610	581	551	542	475
55°	483	469	429	404	390	432
65°	338	312	272	242	233	335
75°	188	154	114	90	80	197
85°	37	19	17	16	16	46
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	904.7	904.7	904.7	904.7	904.7
2.5°	910.1	906.9	905.8	909.5	900.4
5°	907.9	904.7	900.4	902.5	904.2
7.5°	901.5	898.8	892.8	897.7	892.8
10°	895.0	892.3	888.0	889.6	884.2
12.5°	888.5	882.1	881.0	882.1	878.3
15°	874.0	876.1	867.0	865.9	865.4
17.5°	867.0	861.6	851.9	852.4	851.4
20°	850.8	844.3	837.3	836.3	834.1
22.5°	834.1	826.6	820.1	823.3	818.5
25°	812.6	811.5	800.7	803.9	798.0
27.5°	793.7	789.9	785.1	778.1	769.4
30°	773.2	769.4	764.6	746.3	739.8
32.5°	751.7	747.4	737.7	716.1	709.1
35°	723.1	722.0	710.2	685.9	682.7
37.5°	701.6	689.7	680.0	655.2	646.1
40°	675.7	669.2	646.6	622.9	611.0
42.5°	647.1	639.6	613.7	588.4	575.5
45°	615.9	610.5	581.4	550.7	541.5
47.5°	583.6	578.7	544.2	514.6	502.7
50°	552.3	546.4	504.9	476.3	465.5
52.5°	518.4	508.7	467.7	439.7	429.4
55°	483.3	468.8	429.4	404.1	390.1
57.5°	446.2	432.7	389.0	362.6	351.3
60°	413.8	395.0	350.2	323.3	308.7
62.5°	372.3	356.2	313.6	281.8	274.8
65°	337.8	312.5	271.6	242.5	233.3
67.5°	302.8	273.2	231.7	202.1	197.2
70°	264.6	233.9	191.3	162.2	154.1
72.5°	225.8	195.6	154.1	123.4	118.5
75°	188.1	153.6	114.2	90.5	80.3
77.5°	147.1	115.8	80.3	55.5	49.0
80°	109.4	78.1	46.3	32.9	32.3
82.5°	71.7	45.3	24.8	25.3	24.2
85°	36.6	19.4	16.7	16.2	15.6
87.5°	7.0	7.5	8.1	8.1	8.1
90°	0.0	0.0	0.0	0.0	0.0



— 0°-180° - - 45°-225° 90°-270°

(END OF REPORT)