

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: P1050839

Luminaire Tested: 24PTR-20-PLG-L940-UNV-STD-W

Issue Date: 7/11/2025

Test Information

Test Method: LM-79-2019
Report Number: P1050839
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2409-224-3)
Test Lab: INNOVATION CENTER
Issue Date: 7/11/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: 24PTR-20-PLG-L940-UNV-STD-W
Description: 2000 LUMEN 2X4 PERCEIVE PT TROFFER WITH 4000K, 90 CRI LEDS AND LOW GLARE LENS

Light Source:
Ballast/Driver: -

Summary

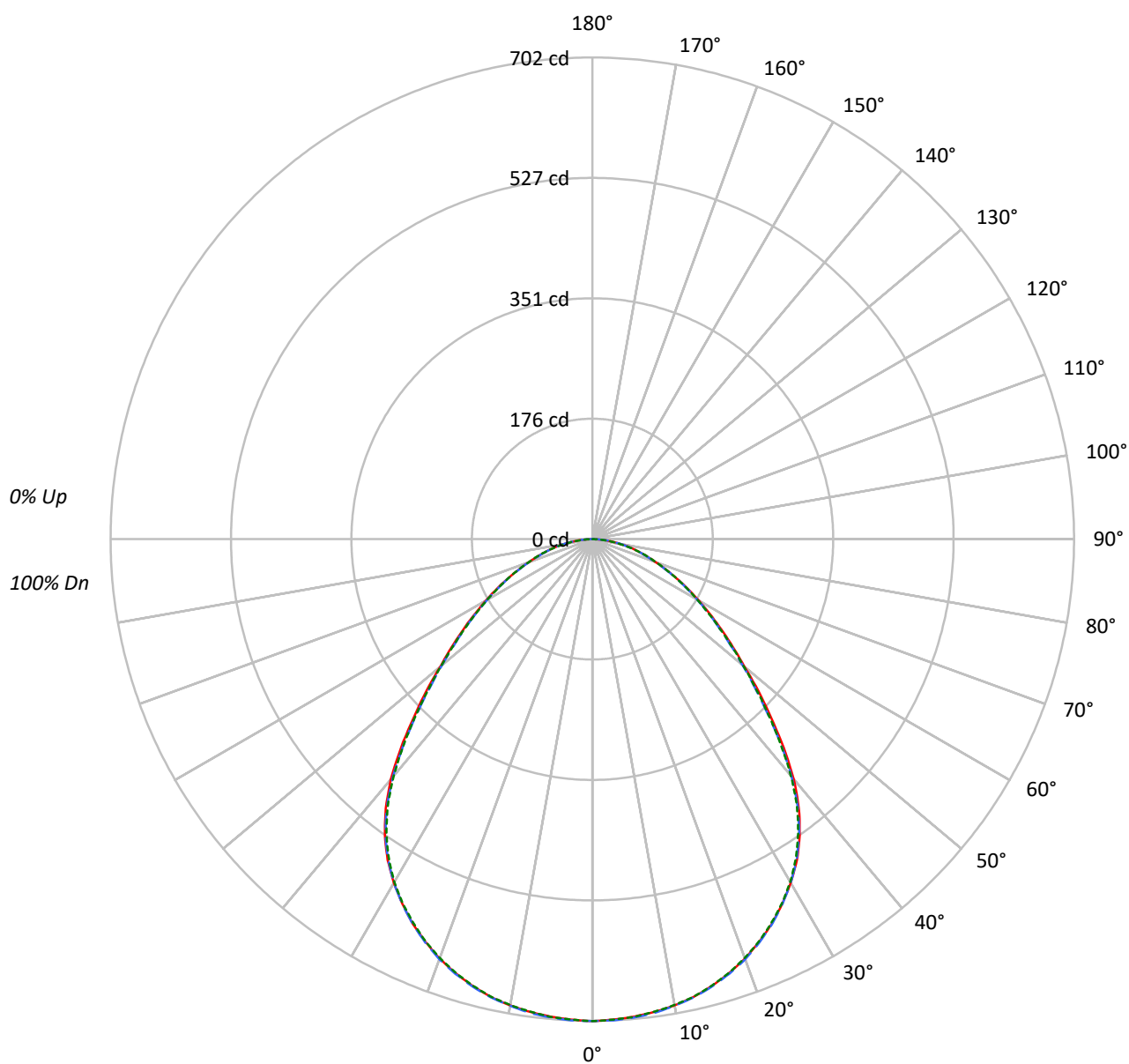
Lumens per Lamp: N/A
Luminaire Lumens: 1582.9 lumens
Efficiency: N/A
Efficacy: 105.5 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.22 / 1.26
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 15
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	110	106	102	98	107	103	100	97	99	96	94	95	93	91	92	90	88	86		
2	101	94	87	82	99	92	86	81	88	84	79	85	81	78	82	79	76	74		
3	93	83	76	70	91	82	75	69	79	73	68	76	71	67	74	69	66	64		
4	86	75	67	60	84	73	66	60	71	64	59	69	63	58	67	62	58	56		
5	79	67	59	53	77	66	58	53	64	57	52	62	56	51	61	55	51	49		
6	74	61	53	47	72	60	52	47	58	51	46	57	51	46	55	50	45	43		
7	69	56	48	42	67	55	47	42	54	46	41	52	46	41	51	45	41	39		
8	64	51	43	38	62	51	43	38	49	42	37	48	42	37	47	41	37	35		
9	60	47	39	34	59	47	39	34	46	39	34	44	38	34	43	38	34	32		
10	56	44	36	31	55	43	36	31	42	36	31	41	35	31	40	35	31	29		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	945	945	945
5°	943	945	944
10°	943	943	942
15°	939	940	938
20°	932	933	930
25°	919	919	916
30°	898	898	896
35°	866	863	859
40°	802	793	791
45°	701	690	692
50°	605	598	601
55°	538	530	531
60°	482	475	475
65°	432	429	430
70°	388	384	388
75°	360	355	360
80°	336	332	321
85°	284	284	255

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 701 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	66.5	4.2
10°-20°	190.3	12.0
20°-30°	284.8	18.0
30°-40°	326.2	20.6
40°-50°	282.2	17.8
50°-60°	204.2	12.9
60°-70°	134.5	8.5
70°-80°	73.2	4.6
80°-90°	21.0	1.3
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°	541.6	34.2
0°-40°	867.8	54.8
0°-60°	1354.2	85.6
0°-90°	1582.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1582.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	702	702	702	702	702	
5°	698	700	700	700	699	66
15°	674	674	675	676	674	190
25°	619	619	619	620	617	285
35°	527	526	526	525	523	327
45°	368	367	362	362	364	285
55°	229	228	226	224	226	206
65°	136	137	135	134	135	135
75°	69	69	68	68	69	74
85°	18	18	18	19	16	21
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	702.5	702.5	702.5	702.5	702.5
2.5°	701.0	702.5	702.0	702.5	701.0
5°	698.5	700.0	700.0	700.0	699.0
7.5°	695.0	696.0	696.5	697.0	694.5
10°	690.0	691.0	690.5	691.5	689.5
12.5°	683.5	683.5	684.0	685.0	683.0
15°	674.0	674.5	675.0	676.0	673.5
17.5°	663.1	663.6	664.1	664.6	662.6
20°	650.6	650.6	651.6	652.1	649.6
22.5°	635.2	635.2	636.2	637.6	634.7
25°	618.7	618.7	619.2	619.7	617.2
27.5°	599.3	599.3	599.8	601.3	598.3
30°	578.3	577.8	578.3	578.8	576.8
32.5°	554.9	554.4	553.9	554.4	551.9
35°	527.0	526.5	525.5	525.0	523.0
37.5°	494.6	493.6	491.6	491.6	489.6
40°	456.7	454.2	451.7	450.7	450.2
42.5°	412.8	410.8	407.3	406.8	406.8
45°	368.4	367.4	362.4	361.9	363.9
47.5°	328.5	326.1	321.6	320.6	323.6
50°	289.2	289.7	285.7	284.2	287.2
52.5°	258.2	257.3	253.8	252.8	255.3
55°	229.3	228.3	225.8	224.3	226.3
57.5°	202.9	202.4	199.9	199.4	200.4
60°	179.0	178.5	176.5	176.0	176.5
62.5°	156.5	156.5	154.6	153.6	155.0
65°	135.6	136.6	134.6	133.6	135.1
67.5°	116.7	117.7	115.7	114.7	116.7
70°	98.7	99.7	97.7	96.7	98.7
72.5°	83.3	83.8	82.3	81.8	84.3
75°	69.3	69.3	68.3	68.3	69.3
77.5°	56.3	55.8	55.3	55.3	54.3
80°	43.4	42.9	42.9	42.9	41.4
82.5°	30.9	29.9	30.4	30.9	28.4
85°	18.4	18.4	18.4	18.9	16.5
87.5°	7.5	7.5	7.0	7.5	6.5
90°	0.0	0.0	0.0	0.0	0.0



— 0°-180° - - 45°-225° 90°-270°

(END OF REPORT)