

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: P1050531

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

Issue Date: 7/11/2025

Test Information

Test Method: LM-79-2019
Report Number: P1050531
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: 24PTR-20-L940-UNV-STD-W
Description: 2000 LUMEN 2X4 PERCEIVE PT TROFFER WITH 4000K, 90 CRI LEDS AND FROSTED LENS

Light Source:
Ballast/Driver: -

Summary

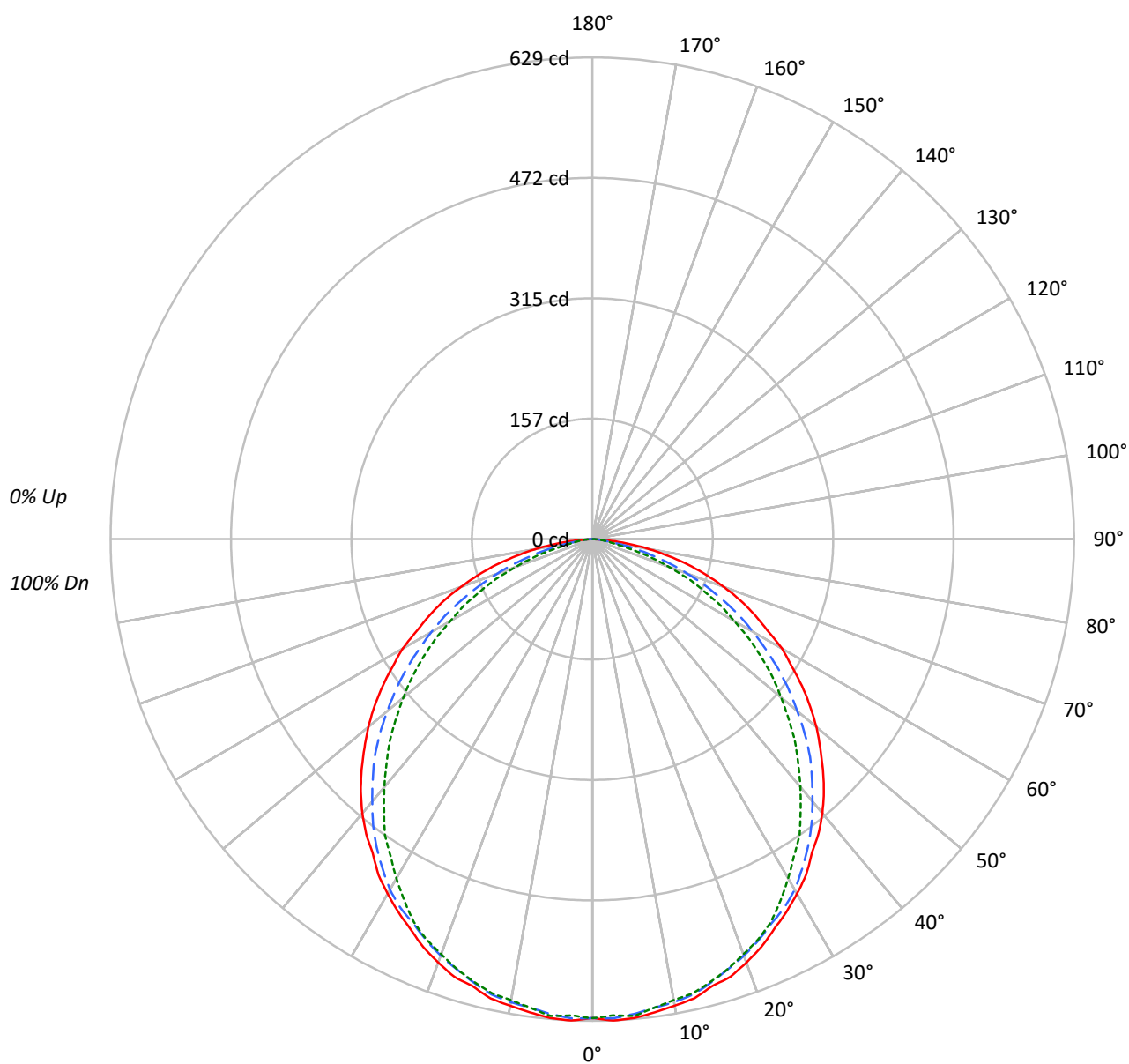
Lumens per Lamp: N/A
Luminaire Lumens: 1666.2 lumens
Efficiency: N/A
Efficacy: 111.1 lumens/watt
Spacing Criteria (0/90/45): 1.27 / 1.21 / 1.35
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

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	109	105	101	97	107	103	99	96	98	95	93	95	92	90	91	89	87	85		
2	100	92	85	80	97	90	84	79	87	81	77	83	79	75	80	77	74	72		
3	91	81	73	67	89	79	72	66	76	70	65	74	68	64	71	67	63	61		
4	84	72	63	57	81	71	63	56	68	61	56	66	60	55	64	58	54	52		
5	77	64	56	49	75	63	55	49	61	54	48	59	53	48	57	52	47	45		
6	71	58	49	43	69	57	49	43	55	48	42	54	47	42	52	46	42	40		
7	66	53	44	38	64	52	44	38	50	43	38	49	42	37	48	42	37	35		
8	61	48	40	34	60	47	39	34	46	39	34	45	38	33	44	38	33	31		
9	57	44	36	31	56	44	36	30	42	35	30	41	35	30	40	34	30	28		
10	54	41	33	28	53	40	33	28	39	32	28	38	32	27	37	32	27	26		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	842	842	842
5°	848	841	844
10°	845	839	835
15°	842	835	833
20°	842	829	826
25°	834	822	819
30°	831	821	795
35°	821	806	775
40°	821	785	742
45°	810	765	712
50°	799	731	674
55°	784	696	633
60°	770	652	575
65°	744	598	514
70°	720	520	419
75°	676	411	289
80°	586	248	174
85°	391	178	167

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 45°
Luminance: 810 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	59.3	3.6
10°-20°	169.7	10.2
20°-30°	256.3	15.4
30°-40°	304.7	18.3
40°-50°	309.0	18.5
50°-60°	268.4	16.1
60°-70°	190.5	11.4
70°-80°	91.0	5.5
80°-90°	17.2	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°	485.2	29.1
0°-40°	790.0	47.4
0°-60°	1367.4	82.1
0°-90°	1666.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1666.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	626	626	626	626	626	
5°	628	626	622	624	625	60
15°	604	606	599	599	598	171
25°	562	561	554	556	552	259
35°	500	499	491	474	472	314
45°	426	422	402	381	374	328
55°	334	324	297	279	270	299
65°	234	216	188	168	161	231
75°	130	106	79	63	56	136
85°	25	13	12	11	11	32
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	625.5	625.5	625.5	625.5	625.5
2.5°	629.2	627.0	626.3	628.9	622.5
5°	627.7	625.5	622.5	624.0	625.1
7.5°	623.3	621.4	617.3	620.7	617.3
10°	618.8	616.9	614.0	615.1	611.4
12.5°	614.3	609.9	609.1	609.9	607.3
15°	604.3	605.8	599.4	598.7	598.3
17.5°	599.4	595.7	589.0	589.4	588.6
20°	588.3	583.8	578.9	578.2	576.7
22.5°	576.7	571.5	567.0	569.3	565.9
25°	561.8	561.1	553.6	555.8	551.7
27.5°	548.8	546.2	542.8	538.0	532.0
30°	534.6	532.0	528.6	516.0	511.5
32.5°	519.7	516.7	510.0	495.1	490.3
35°	500.0	499.2	491.0	474.3	472.0
37.5°	485.1	476.9	470.2	453.0	446.7
40°	467.2	462.7	447.1	430.7	422.5
42.5°	447.4	442.2	424.3	406.8	397.9
45°	425.8	422.1	402.0	380.7	374.4
47.5°	403.5	400.1	376.3	355.8	347.6
50°	381.9	377.8	349.1	329.3	321.9
52.5°	358.4	351.7	323.4	304.0	296.9
55°	334.2	324.1	296.9	279.4	269.7
57.5°	308.5	299.2	269.0	250.7	242.9
60°	286.1	273.1	242.2	223.5	213.5
62.5°	257.4	246.3	216.8	194.8	190.0
65°	233.6	216.1	187.8	167.6	161.3
67.5°	209.4	188.9	160.2	139.7	136.4
70°	182.9	161.7	132.3	112.1	106.5
72.5°	156.1	135.2	106.5	85.3	82.0
75°	130.0	106.2	79.0	62.6	55.5
77.5°	101.7	80.1	55.5	38.4	33.9
80°	75.6	54.0	32.0	22.7	22.4
82.5°	49.5	31.3	17.1	17.5	16.8
85°	25.3	13.4	11.5	11.2	10.8
87.5°	4.8	5.2	5.6	5.6	5.6
90°	0.0	0.0	0.0	0.0	0.0



— 0°-180° - - 45°-225° 90°-270°

(END OF REPORT)