

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: P1050509

Luminaire Tested: 24PTR-20-L930-UNV-STD-W

Issue Date: 7/11/2025

Test Information

Test Method: LM-79-2019
Report Number: P1050509
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-L930-UNV-STD-W
Description: 2000 LUMEN 2X4 PERCEIVE PT TROFFER WITH 3000K, 90 CRI LEDS AND FROSTED LENS

Light Source:
Ballast/Driver: -

Summary

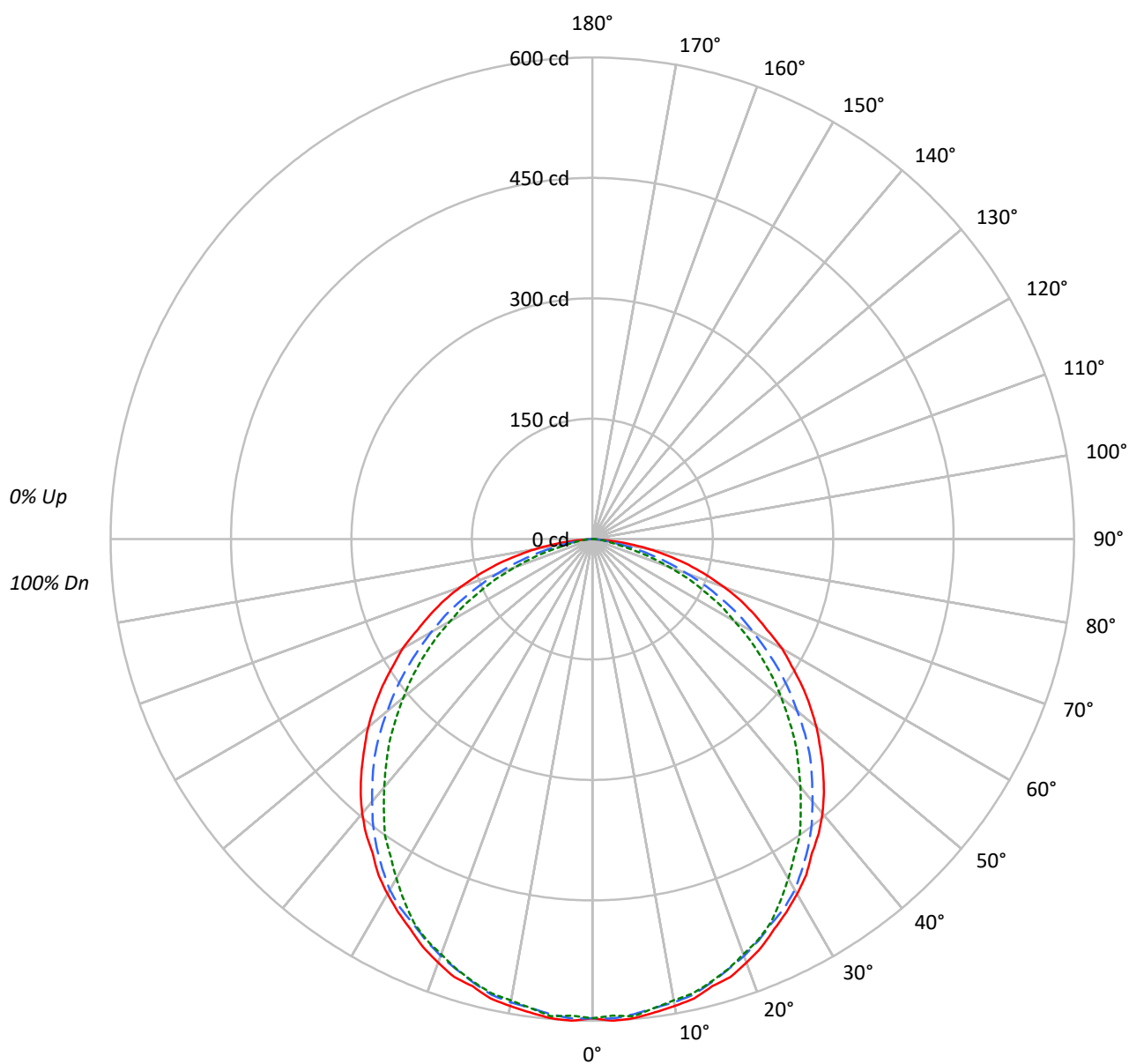
Lumens per Lamp: N/A
Luminaire Lumens: 1590.0 lumens
Efficiency: N/A
Efficacy: 106.0 lumens/watt
Spacing Criteria (0/90/45): 1.27 / 1.21 / 1.35
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

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°	803	803	803
5°	809	802	806
10°	807	800	797
15°	803	797	795
20°	804	791	788
25°	796	784	782
30°	793	784	758
35°	784	770	740
40°	783	749	708
45°	773	730	680
50°	763	697	643
55°	748	665	604
60°	735	622	548
65°	710	571	490
70°	687	496	400
75°	645	392	276
80°	559	237	165
85°	374	170	159

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 45°
Luminance: 773 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	56.6	3.6
10°-20°	161.9	10.2
20°-30°	244.6	15.4
30°-40°	290.8	18.3
40°-50°	294.9	18.5
50°-60°	256.1	16.1
60°-70°	181.8	11.4
70°-80°	86.9	5.5
80°-90°	16.5	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°	463.1	29.1
0°-40°	753.9	47.4
0°-60°	1304.8	82.1
0°-90°	1590.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1590.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	597	597	597	597	597	
5°	599	597	594	596	597	57
15°	577	578	572	571	571	163
25°	536	535	528	530	526	248
35°	477	476	469	453	450	300
45°	406	403	384	363	357	313
55°	319	309	283	267	257	285
65°	223	206	179	160	154	221
75°	124	101	75	60	53	130
85°	24	13	11	11	10	31
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	596.9	596.9	596.9	596.9	596.9
2.5°	600.5	598.3	597.6	600.1	594.1
5°	599.0	596.9	594.1	595.5	596.6
7.5°	594.8	593.0	589.1	592.3	589.1
10°	590.5	588.7	585.9	587.0	583.4
12.5°	586.2	582.0	581.3	582.0	579.5
15°	576.6	578.1	572.0	571.3	571.0
17.5°	572.0	568.5	562.1	562.4	561.7
20°	561.4	557.1	552.5	551.8	550.3
22.5°	550.3	545.4	541.1	543.2	540.0
25°	536.1	535.4	528.3	530.4	526.5
27.5°	523.7	521.2	518.0	513.4	507.7
30°	510.2	507.7	504.5	492.4	488.1
32.5°	495.9	493.1	486.7	472.5	467.9
35°	477.1	476.4	468.6	452.6	450.4
37.5°	462.9	455.1	448.7	432.3	426.3
40°	445.8	441.5	426.6	411.0	403.2
42.5°	427.0	422.0	404.9	388.2	379.7
45°	406.4	402.8	383.6	363.3	357.3
47.5°	385.0	381.8	359.1	339.5	331.7
50°	364.4	360.5	333.1	314.3	307.2
52.5°	342.0	335.6	308.6	290.1	283.3
55°	318.9	309.3	283.3	266.6	257.4
57.5°	294.4	285.5	256.7	239.3	231.8
60°	273.0	260.6	231.1	213.3	203.7
62.5°	245.7	235.0	206.9	185.9	181.3
65°	222.9	206.2	179.2	160.0	153.9
67.5°	199.8	180.2	152.9	133.3	130.1
70°	174.6	154.3	126.2	107.0	101.7
72.5°	149.0	129.1	101.7	81.4	78.2
75°	124.1	101.3	75.4	59.7	53.0
77.5°	97.1	76.4	53.0	36.6	32.4
80°	72.2	51.5	30.6	21.7	21.3
82.5°	47.3	29.9	16.4	16.7	16.0
85°	24.2	12.8	11.0	10.7	10.3
87.5°	4.6	5.0	5.3	5.3	5.3
90°	0.0	0.0	0.0	0.0	0.0



— 0°-180° - - 45°-225° 90°-270°

(END OF REPORT)