

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: P1050751

Luminaire Tested: 24PTR-20-PL1-L935-UNV-STD-W

Issue Date: 7/11/2025

Test Information

Test Method: LM-79-2019
Report Number: P1050751
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: 24PTR-20-PL1-L935-UNV-STD-W
Description: 2000 LUMEN 2X4 PERCEIVE PT TROFFER WITH 3500K, 90 CRI LEDS AND LEAVES LENS

Light Source:
Ballast/Driver: -

Summary

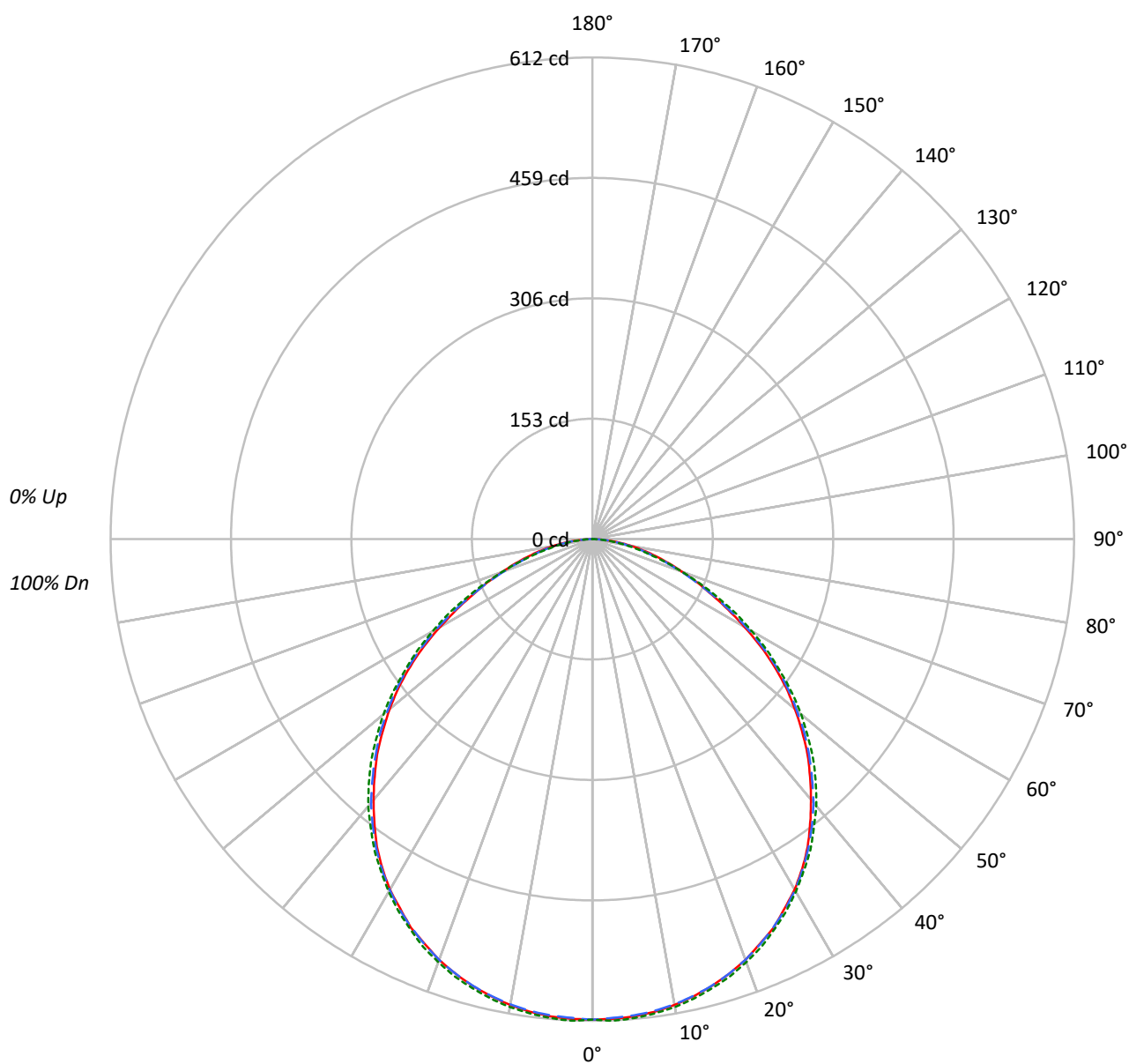
Lumens per Lamp: N/A
Luminaire Lumens: 1609.2 lumens
Efficiency: N/A
Efficacy: 107.3 lumens/watt
Spacing Criteria (0/90/45): 1.25 / 1.26 / 1.35
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

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

TEST NUMBER: P1050751

CATALOG NUMBER: 24PTR-20-PL1-L935-UNV-STD-W

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°	821	821	821
5°	822	821	825
10°	821	820	825
15°	818	818	822
20°	814	814	819
25°	809	808	812
30°	799	800	804
35°	783	786	793
40°	759	768	778
45°	735	742	756
50°	703	711	725
55°	662	673	681
60°	601	614	629
65°	534	539	561
70°	477	467	479
75°	430	405	397
80°	391	363	322
85°	332	301	259

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°
Vertical Angle: 45°
Luminance: 756 cd/sqm

TEST NUMBER: P1050751

CATALOG NUMBER: 24PTR-20-PL1-L935-UNV-STD-W

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	57.9	3.6
10°-20°	166.1	10.3
20°-30°	251.2	15.6
30°-40°	299.5	18.6
40°-50°	301.1	18.7
50°-60°	255.6	15.9
60°-70°	170.2	10.6
70°-80°	85.0	5.3
80°-90°	22.7	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°	475.2	29.5
0°-40°	774.7	48.1
0°-60°	1331.4	82.7
0°-90°	1609.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1609.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	610	610	610	610	610	
5°	609	609	608	610	611	58
15°	588	588	587	590	590	166
25°	545	545	544	547	547	251
35°	477	478	479	482	483	298
45°	386	387	390	395	397	297
55°	282	284	287	290	290	252
65°	168	169	169	172	176	168
75°	83	82	78	76	76	89
85°	22	21	20	18	17	25
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	610.5	610.5	610.5	610.5	610.5
2.5°	610.0	610.5	608.8	611.8	612.5
5°	608.7	608.8	607.5	610.2	610.9
7.5°	605.7	606.0	604.6	607.5	607.9
10°	601.0	601.5	600.3	603.0	603.7
12.5°	594.9	595.5	594.4	597.3	597.8
15°	587.6	588.3	587.4	589.9	590.4
17.5°	578.8	579.3	578.8	581.1	582.4
20°	568.8	568.8	568.8	570.9	572.0
22.5°	556.4	557.6	557.1	559.8	560.9
25°	544.9	544.9	544.2	546.7	547.1
27.5°	528.8	530.6	530.4	532.7	533.2
30°	514.1	514.6	514.8	516.4	517.3
32.5°	496.3	496.7	497.4	499.6	499.9
35°	477.0	477.5	478.8	482.2	482.7
37.5°	454.7	457.1	458.3	461.9	462.3
40°	432.2	433.8	437.2	441.0	442.8
42.5°	409.4	411.2	413.2	418.4	420.1
45°	386.5	387.2	389.7	394.9	397.2
47.5°	361.2	363.3	365.5	370.0	371.4
50°	335.9	338.1	339.5	343.5	346.3
52.5°	310.3	312.4	314.0	316.4	319.1
55°	282.3	284.3	286.8	289.5	290.2
57.5°	253.8	256.0	257.7	260.5	263.5
60°	223.2	225.8	228.0	230.7	233.7
62.5°	194.8	195.9	198.2	202.7	206.9
65°	167.6	169.0	169.4	171.9	176.2
67.5°	145.0	145.0	142.9	143.8	148.6
70°	121.2	120.3	118.8	117.9	121.7
72.5°	102.0	100.8	97.5	95.9	98.0
75°	82.8	81.6	78.0	76.2	76.4
77.5°	66.5	64.7	61.7	58.6	57.9
80°	50.5	49.7	46.8	43.9	41.6
82.5°	35.8	34.2	32.5	30.7	28.9
85°	21.5	21.0	19.5	18.3	16.8
87.5°	8.8	8.8	8.4	7.9	7.5
90°	0.0	0.0	0.0	0.0	0.0



— 0°-180° - - 45°-225° 90°-270°

(END OF REPORT)