

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: P1051059

Luminaire Tested: 24PTR-20-PW1-L935-UNV-STD-W

Issue Date: 7/11/2025

Test Information

Test Method: LM-79-2019
Report Number: P1051059
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P737743)
Test Lab: INNOVATION CENTER
Issue Date: 7/11/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: 24PTR-20-PW1-L935-UNV-STD-W
Description: 2000 LUMEN 2X4 PERCEIVE PT TROFFER WITH 3500K, 90 CRI LEDS AND WAVES LENS

Light Source:
Ballast/Driver: -

Summary

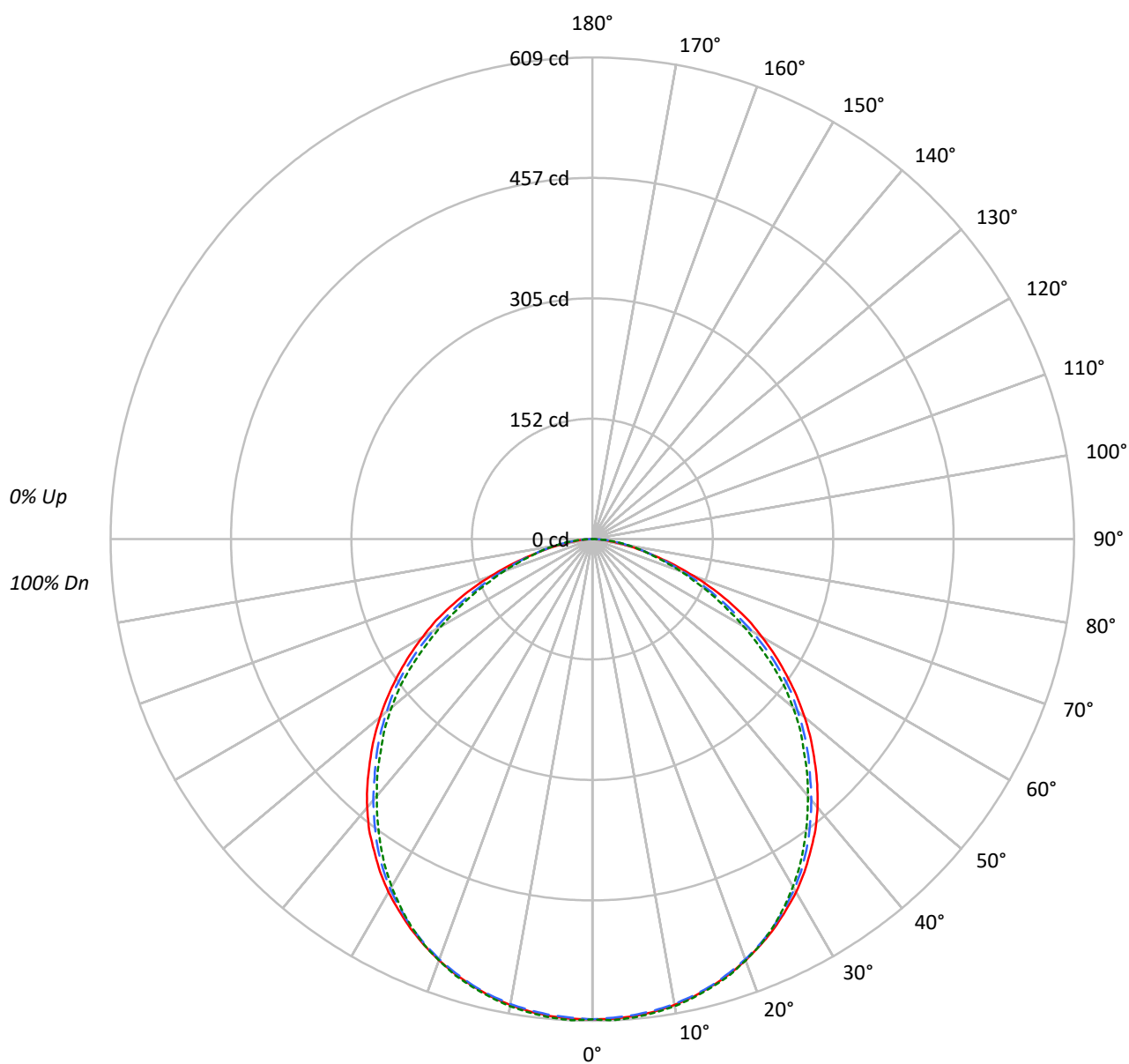
Lumens per Lamp: N/A
Luminaire Lumens: 1611.2 lumens
Efficiency: N/A
Efficacy: 107.4 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.24 / 1.34
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

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	102	102	100
1	109	105	101	97	107	103	99	95	98	95	92	94	92	90	91	89	87	87	87	85
2	100	92	85	80	97	90	84	79	86	81	77	83	79	75	80	77	74	74	74	71
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	57	68	61	56	66	60	55	64	59	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	62	48	40	34	60	48	40	34	46	39	34	45	38	34	44	38	33	33	33	31
9	58	44	36	31	56	44	36	31	43	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	28	38	32	27	27	27	26

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	817	817	817
5°	818	816	820
10°	817	815	819
15°	815	813	817
20°	811	809	811
25°	807	803	803
30°	801	794	788
35°	790	778	768
40°	778	757	745
45°	756	734	719
50°	733	710	693
55°	703	679	652
60°	667	627	594
65°	617	560	532
70°	535	487	469
75°	427	417	406
80°	325	363	363
85°	239	309	309

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 45°
Luminance: 756 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	57.6	3.6
10°-20°	165.1	10.2
20°-30°	249.6	15.5
30°-40°	296.4	18.4
40°-50°	298.6	18.5
50°-60°	258.1	16.0
60°-70°	176.4	10.9
70°-80°	87.0	5.4
80°-90°	22.5	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°	472.3	29.3
0°-40°	768.7	47.7
0°-60°	1325.3	82.3
0°-90°	1611.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1611.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	607	607	607	607	607	
5°	605	606	604	606	607	58
15°	585	586	584	586	586	165
25°	544	543	541	542	541	250
35°	481	479	474	470	468	301
45°	398	393	386	381	378	307
55°	300	299	290	281	278	268
65°	194	187	176	168	167	191
75°	82	81	80	80	78	89
85°	16	18	20	20	20	19
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	607.1	607.1	607.1	607.1	607.1
2.5°	607.0	607.1	605.6	608.3	608.9
5°	605.3	605.6	604.0	606.5	607.1
7.5°	602.5	602.9	601.1	603.5	604.0
10°	598.1	598.4	596.8	599.3	599.8
12.5°	592.3	592.5	591.2	593.4	593.4
15°	584.9	585.5	584.0	586.0	586.2
17.5°	576.5	576.8	575.2	577.4	577.9
20°	566.7	566.7	565.3	567.1	566.7
22.5°	555.6	555.6	554.1	555.0	555.4
25°	543.5	543.0	541.2	541.7	540.8
27.5°	529.5	529.5	526.4	526.4	524.8
30°	515.4	514.3	510.9	508.9	507.3
32.5°	499.1	497.6	493.3	489.7	488.6
35°	481.0	479.3	473.7	469.5	467.7
37.5°	463.4	459.8	452.4	448.1	446.1
40°	442.9	438.4	430.8	424.9	424.0
42.5°	420.9	417.3	407.4	403.1	402.0
45°	397.5	393.2	385.8	381.3	377.9
47.5°	374.6	371.4	362.9	357.5	356.3
50°	350.4	347.7	339.0	333.2	331.1
52.5°	325.5	323.7	316.3	308.8	306.4
55°	299.7	298.8	289.5	281.0	278.0
57.5°	274.3	273.1	261.6	251.7	249.0
60°	247.7	244.3	233.1	223.8	220.9
62.5°	222.5	215.3	203.1	195.9	192.6
65°	193.7	186.7	175.9	168.2	167.2
67.5°	165.4	157.0	148.7	144.0	140.4
70°	135.9	130.2	123.9	119.9	119.3
72.5°	108.4	104.4	101.2	98.7	96.7
75°	82.1	81.4	80.3	80.3	78.1
77.5°	60.3	61.9	62.8	62.5	63.0
80°	41.9	45.0	46.8	47.0	46.8
82.5°	26.6	30.2	33.1	33.5	34.0
85°	15.5	18.2	20.0	20.4	20.0
87.5°	6.9	8.7	9.2	9.6	9.2
90°	0.0	0.0	0.0	0.0	0.0



— 0°-180° - - 45°-225° 90°-270°

(END OF REPORT)