

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: P1050828

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

Issue Date: 7/11/2025

Test Information

Test Method: LM-79-2019
Report Number: P1050828
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-L935-UNV-STD-W
Description: 2000 LUMEN 2X4 PERCEIVE PT TROFFER WITH 3500K, 90 CRI LEDS AND LOW GLARE LENS

Light Source:
Ballast/Driver: -

Summary

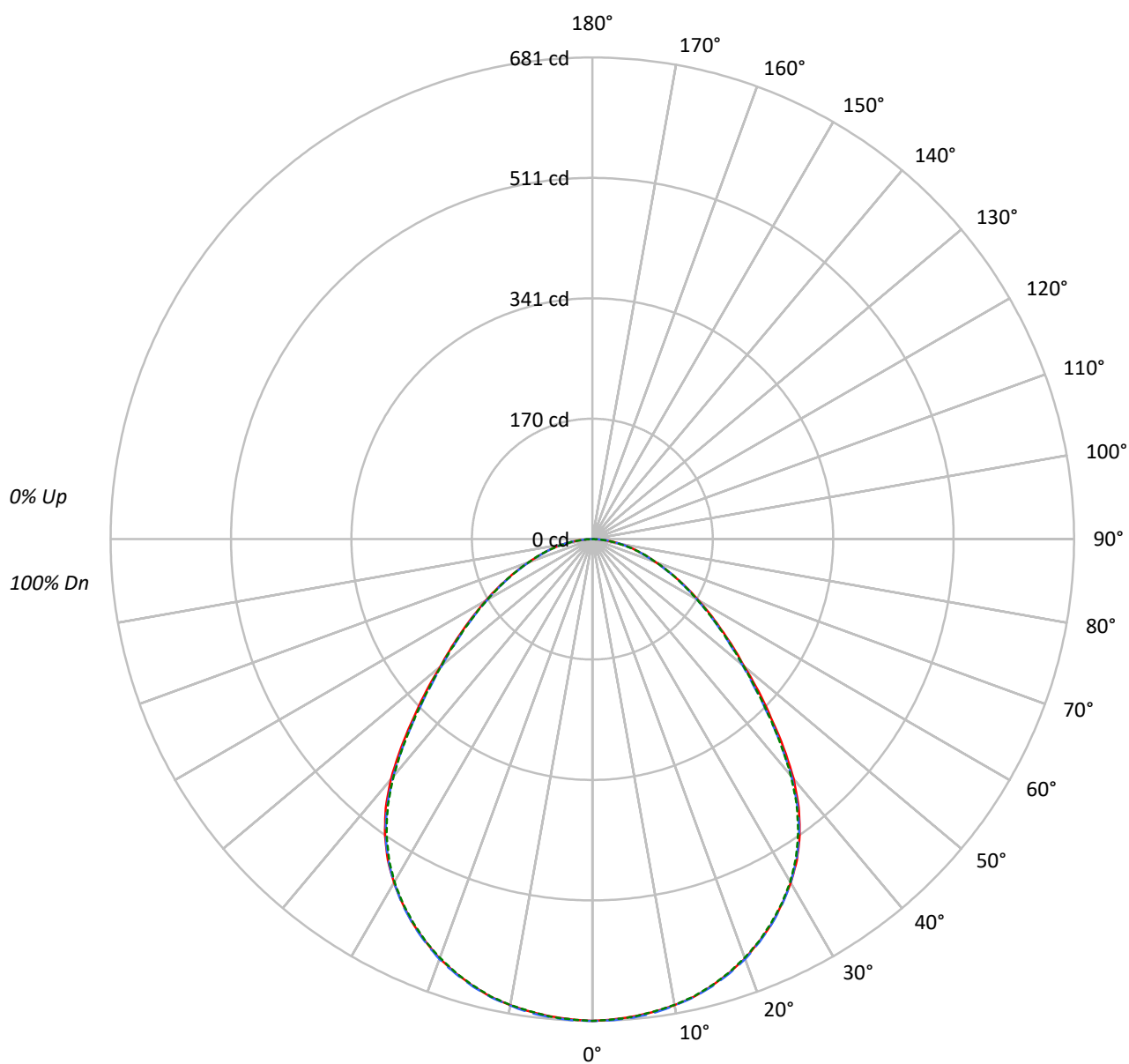
Lumens per Lamp: N/A
Luminaire Lumens: 1535.0 lumens
Efficiency: N/A
Efficacy: 102.3 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.22 / 1.26
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

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°	917	917	917
5°	915	917	915
10°	914	915	913
15°	910	912	910
20°	903	905	902
25°	891	891	889
30°	871	871	869
35°	839	837	833
40°	778	769	767
45°	680	669	672
50°	587	580	583
55°	522	514	515
60°	467	460	460
65°	419	415	417
70°	376	373	376
75°	349	344	349
80°	326	322	311
85°	276	276	247

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 680 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	64.5	4.2
10°-20°	184.5	12.0
20°-30°	276.1	18.0
30°-40°	316.4	20.6
40°-50°	273.6	17.8
50°-60°	198.0	12.9
60°-70°	130.4	8.5
70°-80°	71.0	4.6
80°-90°	20.4	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°	525.1	34.2
0°-40°	841.5	54.8
0°-60°	1313.1	85.5
0°-90°	1535.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1535.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	681	681	681	681	681	
5°	677	679	679	679	678	64
15°	654	654	655	656	653	184
25°	600	600	600	601	598	276
35°	511	510	510	509	507	317
45°	357	356	352	351	353	277
55°	222	221	219	218	220	200
65°	132	132	130	130	131	131
75°	67	67	66	66	67	72
85°	18	18	18	18	16	21
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	681.2	681.2	681.2	681.2	681.2
2.5°	679.7	681.2	680.7	681.2	679.7
5°	677.3	678.8	678.8	678.8	677.8
7.5°	673.9	674.9	675.4	675.9	673.4
10°	669.1	670.1	669.6	670.5	668.6
12.5°	662.8	662.8	663.3	664.3	662.3
15°	653.6	654.1	654.6	655.6	653.1
17.5°	643.0	643.5	644.0	644.4	642.5
20°	630.9	630.9	631.9	632.4	629.9
22.5°	615.9	615.9	616.9	618.3	615.4
25°	600.0	600.0	600.4	600.9	598.5
27.5°	581.1	581.1	581.6	583.0	580.1
30°	560.8	560.3	560.8	561.3	559.4
32.5°	538.1	537.6	537.1	537.6	535.2
35°	511.0	510.5	509.6	509.1	507.1
37.5°	479.6	478.6	476.7	476.7	474.7
40°	442.8	440.4	438.0	437.0	436.6
42.5°	400.3	398.4	395.0	394.5	394.5
45°	357.3	356.3	351.5	351.0	352.9
47.5°	318.6	316.2	311.8	310.9	313.8
50°	280.4	280.9	277.0	275.6	278.5
52.5°	250.4	249.5	246.1	245.1	247.5
55°	222.4	221.4	219.0	217.6	219.5
57.5°	196.8	196.3	193.9	193.4	194.3
60°	173.6	173.1	171.1	170.7	171.1
62.5°	151.8	151.8	149.9	148.9	150.4
65°	131.5	132.5	130.5	129.6	131.0
67.5°	113.1	114.1	112.2	111.2	113.1
70°	95.7	96.7	94.8	93.8	95.7
72.5°	80.7	81.2	79.8	79.3	81.7
75°	67.2	67.2	66.2	66.2	67.2
77.5°	54.6	54.1	53.7	53.7	52.7
80°	42.1	41.6	41.6	41.6	40.1
82.5°	30.0	29.0	29.5	30.0	27.6
85°	17.9	17.9	17.9	18.4	16.0
87.5°	7.3	7.3	6.8	7.3	6.3
90°	0.0	0.0	0.0	0.0	0.0



— 0°-180° - - 45°-225° 90°-270°

(END OF REPORT)