

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: P1051048

Luminaire Tested: 24PTR-20-PW1-L930-UNV-STD-W

Issue Date: 7/11/2025

Test Information

Test Method: LM-79-2019
Report Number: P1051048
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-L930-UNV-STD-W
Description: 2000 LUMEN 2X4 PERCEIVE PT TROFFER WITH 3000K, 90 CRI LEDS AND WAVES LENS

Light Source:
Ballast/Driver: -

Summary

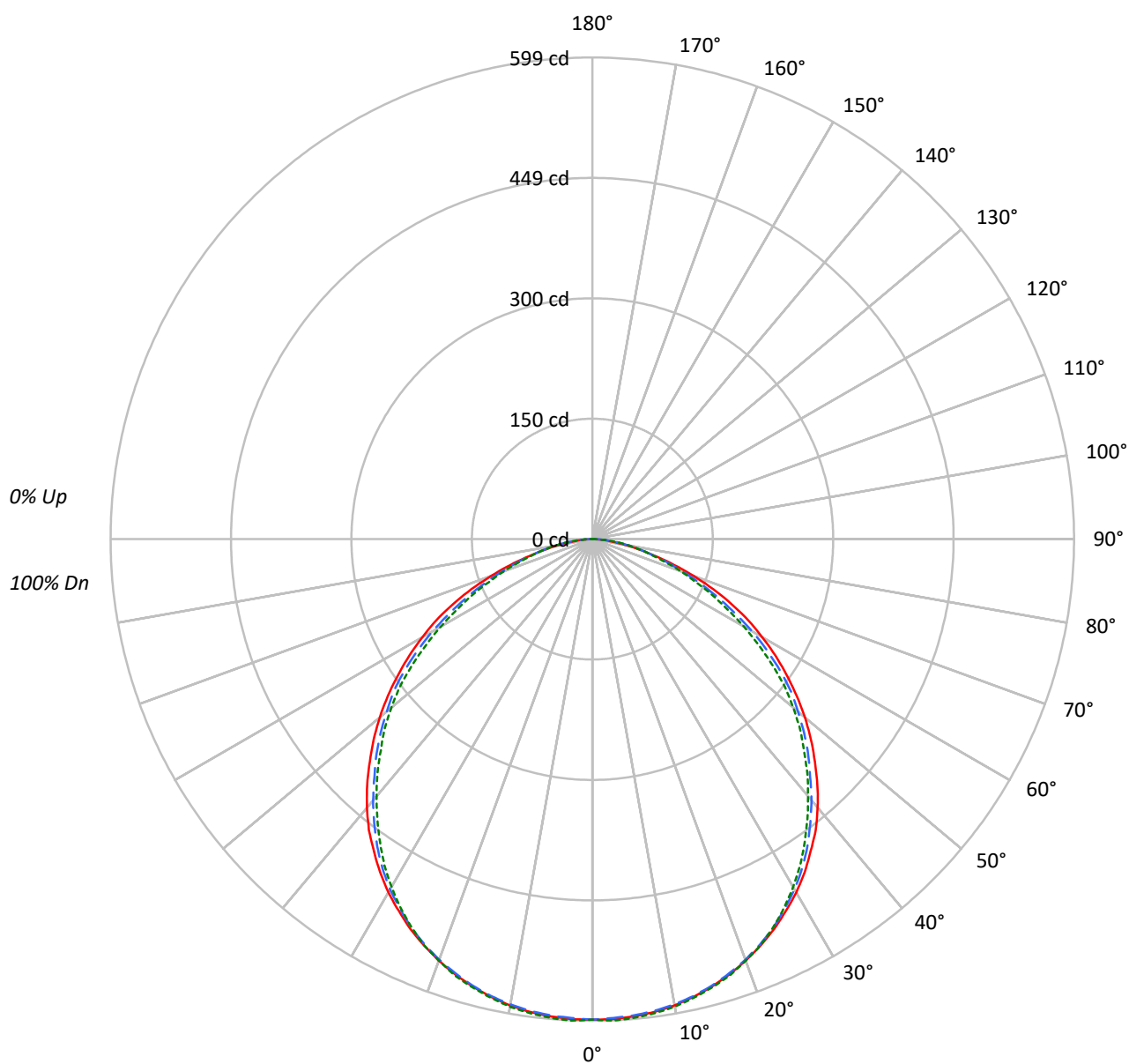
Lumens per Lamp: N/A
Luminaire Lumens: 1586.0 lumens
Efficiency: N/A
Efficacy: 105.7 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.24 / 1.34
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

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	100		
1	109	105	101	97	107	103	99	95	98	95	92	94	92	90	91	89	87	85		
2	100	92	85	80	97	90	84	79	86	81	77	83	79	75	80	77	74	71		
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	57	68	61	56	66	60	55	64	59	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	62	48	40	34	60	48	40	34	46	39	34	45	38	34	44	38	33	31		
9	58	44	36	31	56	44	36	31	43	35	30	41	35	30	40	34	30	28		
10	54	41	33	28	53	40	33	28	39	32	28	38	32	28	38	32	27	26		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	804	804	804
5°	805	803	807
10°	804	803	807
15°	802	801	804
20°	799	797	799
25°	794	791	790
30°	788	781	776
35°	778	766	756
40°	766	745	733
45°	745	722	708
50°	722	699	682
55°	692	669	642
60°	656	617	585
65°	607	551	524
70°	526	480	462
75°	420	411	399
80°	319	356	356
85°	236	304	304

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 45°
Luminance: 745 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	56.7	3.6
10°-20°	162.6	10.2
20°-30°	245.7	15.5
30°-40°	291.7	18.4
40°-50°	293.9	18.5
50°-60°	254.0	16.0
60°-70°	173.6	10.9
70°-80°	85.6	5.4
80°-90°	22.1	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°	464.9	29.3
0°-40°	756.6	47.7
0°-60°	1304.6	82.3
0°-90°	1586.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1586.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	598	598	598	598	598	
5°	596	596	595	597	598	57
15°	576	576	575	577	577	163
25°	535	534	533	533	532	246
35°	474	472	466	462	460	296
45°	391	387	380	375	372	302
55°	295	294	285	277	274	264
65°	191	184	173	166	165	188
75°	81	80	79	79	77	88
85°	15	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°	597.6	597.6	597.6	597.6	597.6
2.5°	597.5	597.6	596.1	598.7	599.4
5°	595.8	596.1	594.6	597.0	597.6
7.5°	593.0	593.4	591.7	594.1	594.6
10°	588.8	589.0	587.5	589.9	590.4
12.5°	583.0	583.2	581.9	584.1	584.1
15°	575.7	576.4	574.8	576.9	577.0
17.5°	567.5	567.8	566.2	568.4	568.9
20°	557.8	557.8	556.5	558.3	557.8
22.5°	546.9	546.9	545.4	546.3	546.7
25°	535.0	534.5	532.8	533.2	532.4
27.5°	521.3	521.3	518.1	518.1	516.6
30°	507.3	506.2	502.9	500.9	499.4
32.5°	491.3	489.8	485.6	482.1	480.9
35°	473.5	471.8	466.3	462.1	460.3
37.5°	456.2	452.6	445.3	441.1	439.1
40°	436.0	431.5	424.0	418.3	417.4
42.5°	414.3	410.8	401.0	396.8	395.7
45°	391.3	387.0	379.7	375.3	372.0
47.5°	368.7	365.6	357.2	351.9	350.7
50°	345.0	342.3	333.7	328.0	326.0
52.5°	320.4	318.6	311.3	304.0	301.6
55°	295.0	294.1	285.0	276.6	273.7
57.5°	270.0	268.8	257.5	247.8	245.1
60°	243.8	240.5	229.4	220.3	217.4
62.5°	219.0	211.9	200.0	192.9	189.6
65°	190.6	183.8	173.2	165.6	164.6
67.5°	162.8	154.6	146.4	141.7	138.2
70°	133.7	128.2	122.0	118.0	117.4
72.5°	106.7	102.8	99.6	97.2	95.2
75°	80.8	80.1	79.0	79.0	76.8
77.5°	59.4	60.9	61.8	61.6	62.0
80°	41.2	44.3	46.0	46.3	46.0
82.5°	26.2	29.7	32.6	33.0	33.5
85°	15.3	17.9	19.7	20.1	19.7
87.5°	6.8	8.6	9.1	9.5	9.1
90°	0.0	0.0	0.0	0.0	0.0



— 0°-180° - - 45°-225° 90°-270°

(END OF REPORT)