

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: P1050817

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

Issue Date: 7/11/2025

Test Information

Test Method: LM-79-2019
Report Number: P1050817
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-L930-UNV-STD-W
Description: 2000 LUMEN 2X4 PERCEIVE PT TROFFER WITH 3000K, 90 CRI LEDS AND LOW GLARE LENS

Light Source:
Ballast/Driver: -

Summary

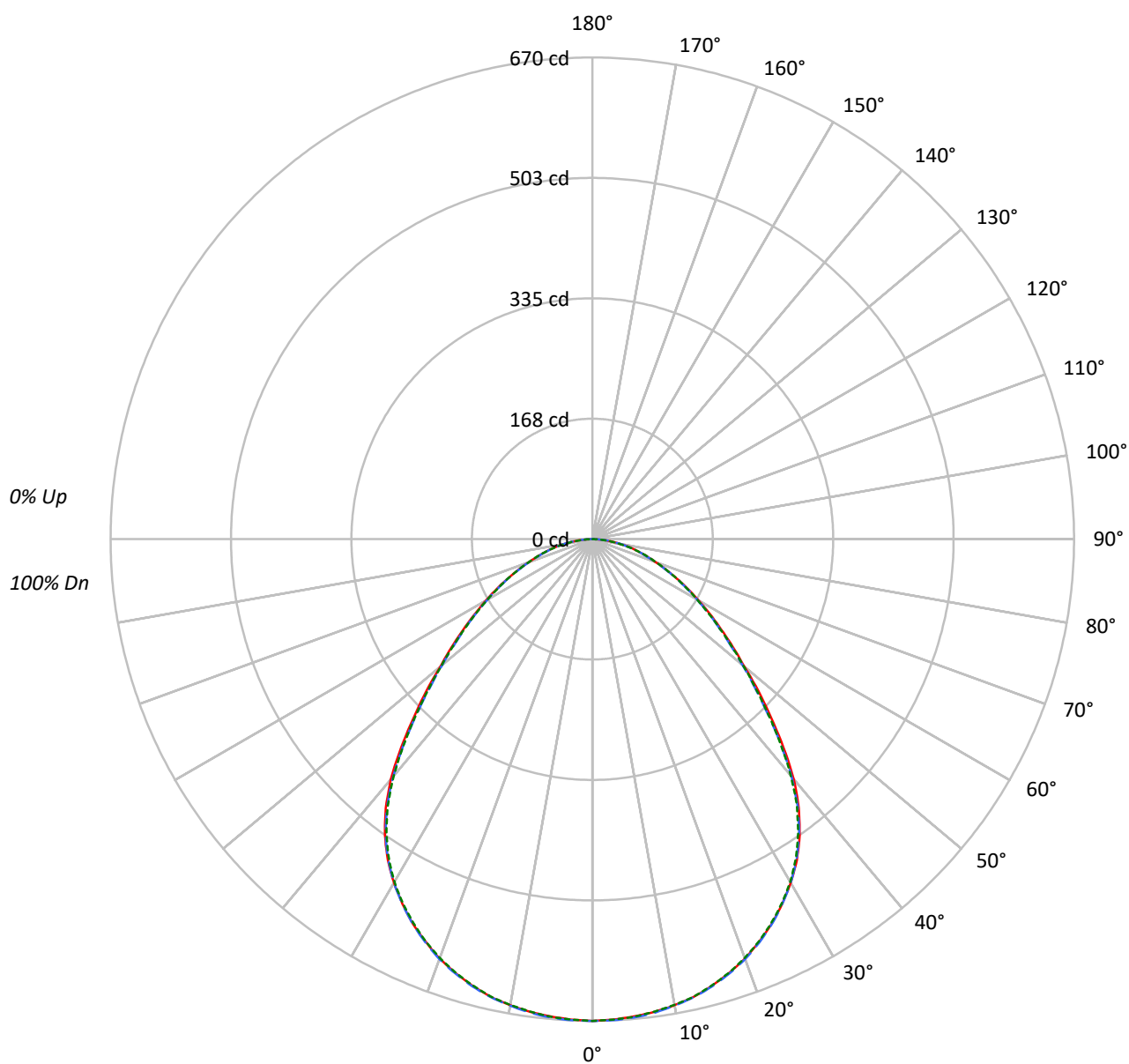
Lumens per Lamp: N/A
Luminaire Lumens: 1510.5 lumens
Efficiency: N/A
Efficacy: 100.7 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.22 / 1.26
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

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

TEST NUMBER: P1050817

CATALOG NUMBER: 24PTR-20-PLG-L930-UNV-STD-W

Luminous Intensity Polar Plot



TEST NUMBER: P1050817

CATALOG NUMBER: 24PTR-20-PLG-L930-UNV-STD-W

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°	902	902	902
5°	900	902	901
10°	900	900	899
15°	896	897	895
20°	889	890	888
25°	876	877	874
30°	857	857	855
35°	826	824	820
40°	765	757	755
45°	669	658	661
50°	578	571	574
55°	513	506	507
60°	460	453	453
65°	412	409	410
70°	371	367	371
75°	344	339	344
80°	321	317	306
85°	272	272	242

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 45°
Luminance: 669 cd/sqm

TEST NUMBER: P1050817

CATALOG NUMBER: 24PTR-20-PLG-L930-UNV-STD-W

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	63.5	4.2
10°-20°	181.6	12.0
20°-30°	271.7	18.0
30°-40°	311.3	20.6
40°-50°	269.2	17.8
50°-60°	194.9	12.9
60°-70°	128.4	8.5
70°-80°	69.9	4.6
80°-90°	20.0	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°	516.8	34.2
0°-40°	828.1	54.8
0°-60°	1292.2	85.6
0°-90°	1510.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1510.5	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	670	670	670	670	670	
5°	666	668	668	668	667	63
15°	643	644	644	645	643	181
25°	590	590	591	591	589	272
35°	503	502	501	501	499	312
45°	352	351	346	345	347	272
55°	219	218	216	214	216	197
65°	129	130	128	128	129	129
75°	66	66	65	65	66	70
85°	18	18	18	18	16	20
90°	0	0	0	0	0	

TEST NUMBER: P1050817

CATALOG NUMBER: 24PTR-20-PLG-L930-UNV-STD-W

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	670.3	670.3	670.3	670.3	670.3
2.5°	668.9	670.3	669.9	670.3	668.9
5°	666.5	668.0	668.0	668.0	667.0
7.5°	663.2	664.2	664.6	665.1	662.7
10°	658.4	659.4	658.9	659.9	658.0
12.5°	652.3	652.3	652.7	653.7	651.8
15°	643.2	643.7	644.2	645.1	642.7
17.5°	632.8	633.2	633.7	634.2	632.3
20°	620.9	620.9	621.8	622.3	619.9
22.5°	606.1	606.1	607.1	608.5	605.6
25°	590.4	590.4	590.9	591.4	589.0
27.5°	571.9	571.9	572.3	573.8	570.9
30°	551.9	551.4	551.9	552.4	550.4
32.5°	529.5	529.0	528.6	529.0	526.7
35°	502.9	502.4	501.4	501.0	499.1
37.5°	471.9	471.0	469.1	469.1	467.2
40°	435.8	433.4	431.0	430.1	429.6
42.5°	393.9	392.0	388.7	388.2	388.2
45°	351.6	350.6	345.9	345.4	347.3
47.5°	313.5	311.1	306.9	305.9	308.8
50°	275.9	276.4	272.6	271.2	274.0
52.5°	246.4	245.5	242.2	241.2	243.6
55°	218.8	217.9	215.5	214.1	216.0
57.5°	193.6	193.2	190.8	190.3	191.3
60°	170.8	170.3	168.4	167.9	168.4
62.5°	149.4	149.4	147.5	146.5	148.0
65°	129.4	130.4	128.5	127.5	128.9
67.5°	111.3	112.3	110.4	109.4	111.3
70°	94.2	95.2	93.2	92.3	94.2
72.5°	79.5	79.9	78.5	78.0	80.4
75°	66.1	66.1	65.2	65.2	66.1
77.5°	53.8	53.3	52.8	52.8	51.9
80°	41.4	40.9	40.9	40.9	39.5
82.5°	29.5	28.5	29.0	29.5	27.1
85°	17.6	17.6	17.6	18.1	15.7
87.5°	7.1	7.1	6.7	7.1	6.2
90°	0.0	0.0	0.0	0.0	0.0



— 0°-180° - - 45°-225° 90°-270°

(END OF REPORT)