

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: P1046739

Luminaire Tested: 22PTR-20-PB1-L930-UNV-STD-W

Issue Date: 7/10/2025

Test Information

Test Method: LM-79-2019
Report Number: P1046739
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P737703)
Test Lab: INNOVATION CENTER
Issue Date: 7/10/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: 22PTR-20-PB1-L930-UNV-STD-W
Description: 2000 LUMEN 2X2 PERCEIVE PT TROFFER WITH 3000K, 90 CRI LEDS AND BEVEL LENS

Light Source:
Ballast/Driver: -

Summary

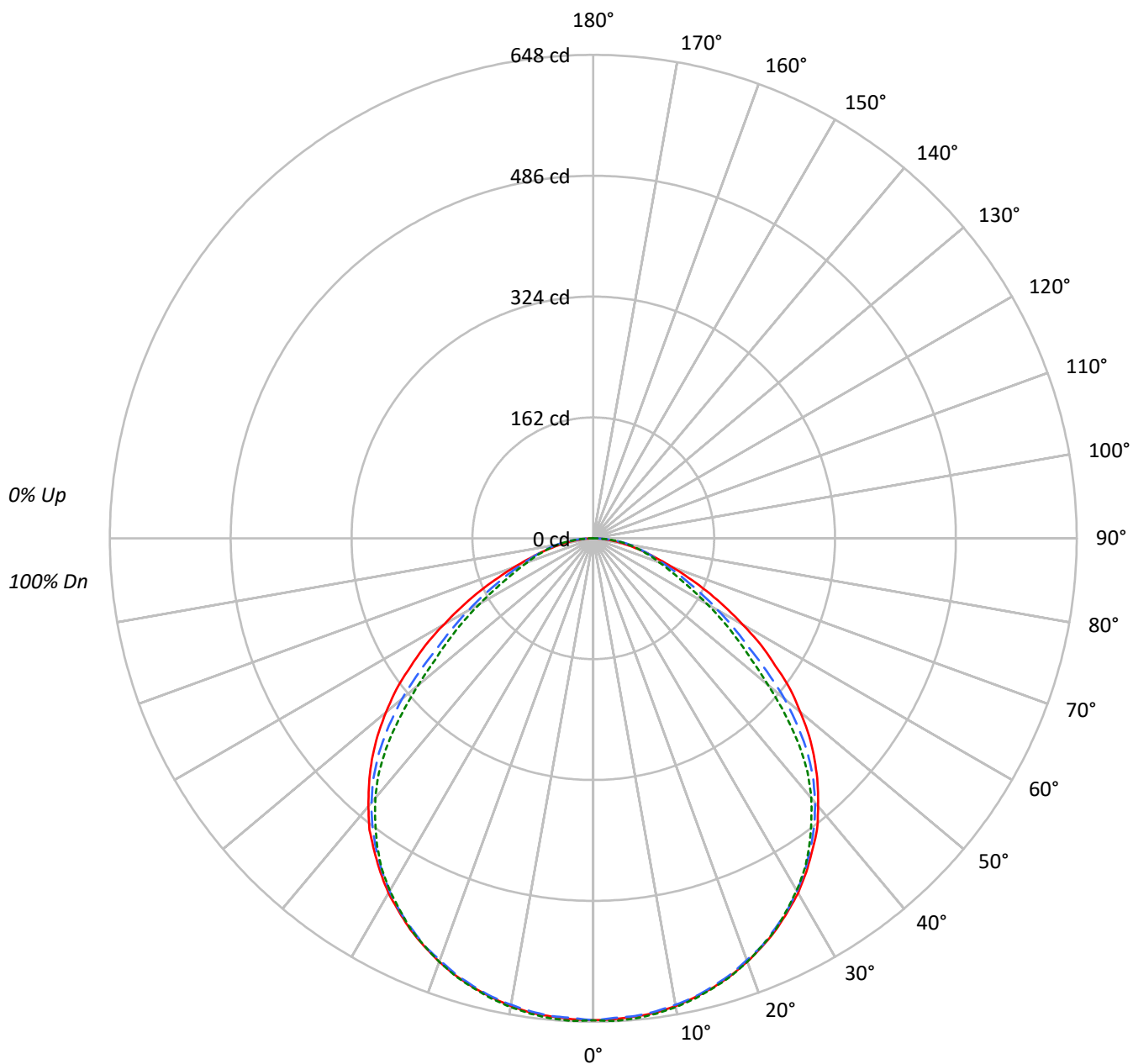
Lumens per Lamp: N/A
Luminaire Lumens: 1611.0 lumens
Efficiency: N/A
Efficacy: 107.4 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.25 / 1.34
Luminous Opening: (L: 2 ' x W: 0 ' x H: 2 '
CIE Type: Direct

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: P1046739

CATALOG NUMBER: 22PTR-20-PB1-L930-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	110	105	101	98	107	103	99	96	99	96	93	95	93	90	91	89	88	86		
2	100	93	86	81	98	91	85	80	87	83	78	84	80	77	81	78	75	73		
3	92	82	75	69	90	81	74	68	78	72	67	75	70	66	73	68	64	62		
4	85	73	65	59	83	72	64	58	70	63	58	67	62	57	65	60	56	54		
5	78	66	57	51	76	65	57	51	63	56	50	61	55	50	59	54	49	47		
6	72	60	51	45	71	59	51	45	57	50	44	55	49	44	54	48	44	42		
7	67	54	46	40	66	53	45	40	52	45	39	51	44	39	49	43	39	37		
8	63	50	41	36	61	49	41	36	48	41	35	46	40	35	45	39	35	33		
9	59	46	38	32	57	45	37	32	44	37	32	43	36	32	42	36	32	30		
10	55	42	34	29	54	42	34	29	41	34	29	40	33	29	39	33	29	27		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	Luminous shape not found, reference photometric report, or contact the photometric lab for calculations.		
5°			
10°			
15°			
20°			
25°			
30°			
35°			
40°			
45°			
50°			
55°			
60°			
65°			
70°			
75°			
80°			
85°			

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: -
Vertical Angle: -
Luminance: -

TEST NUMBER: P1046739

CATALOG NUMBER: 22PTR-20-PB1-L930-UNV-STD-W

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	61.3	3.8
10°-20°	175.8	10.9
20°-30°	266.3	16.5
30°-40°	317.3	19.7
40°-50°	310.3	19.3
50°-60°	234.7	14.6
60°-70°	144.2	8.9
70°-80°	76.8	4.8
80°-90°	24.5	1.5
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°	503.3	31.2
0°-40°	820.6	50.9
0°-60°	1365.5	84.8
0°-90°	1611.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1611.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	646	646	646	646	646	
5°	644	644	643	645	646	61
15°	623	624	622	624	624	176
25°	579	578	577	578	578	267
35°	512	511	508	505	505	320
45°	420	417	406	392	389	323
55°	298	283	254	239	235	267
65°	168	154	142	130	126	167
75°	72	72	73	71	69	77
85°	16	21	25	24	22	19
90°	0	0	0	0	0	

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CATALOG NUMBER: 22PTR-20-PB1-L930-UNV-STD-W

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	646.1	646.1	646.1	646.1	646.1
2.5°	645.3	646.1	643.6	646.9	647.7
5°	643.6	644.5	642.9	645.3	646.1
7.5°	641.3	641.3	639.7	642.1	642.9
10°	636.6	636.6	635.0	637.3	638.1
12.5°	630.2	630.2	629.4	631.0	631.8
15°	623.0	623.8	621.5	623.8	623.8
17.5°	614.3	613.5	612.7	614.3	615.1
20°	603.9	603.9	601.6	603.2	603.9
22.5°	592.0	592.0	591.3	592.0	591.3
25°	579.3	578.5	576.9	577.7	578.5
27.5°	564.2	564.2	562.6	562.6	561.8
30°	549.1	548.3	546.0	544.4	545.1
32.5°	530.9	530.0	527.7	526.1	526.8
35°	511.7	511.0	507.8	505.4	504.7
37.5°	492.7	490.3	486.3	483.1	480.0
40°	468.9	466.4	462.5	455.4	454.5
42.5°	445.0	442.7	436.2	427.6	425.1
45°	419.6	417.2	406.0	392.5	389.4
47.5°	392.5	388.6	371.1	354.4	348.1
50°	362.4	355.2	334.5	313.1	305.9
52.5°	333.0	320.3	293.2	274.1	267.1
55°	298.0	282.9	253.5	239.2	235.2
57.5°	267.1	246.4	222.5	208.2	205.1
60°	231.3	212.2	193.1	180.4	175.6
62.5°	198.6	182.0	166.1	154.9	149.4
65°	167.7	154.2	141.5	130.3	126.4
67.5°	137.5	130.3	120.0	111.3	108.9
70°	112.0	108.0	100.9	96.9	93.8
72.5°	89.0	90.6	85.8	84.3	81.8
75°	71.5	72.3	73.1	70.7	69.2
77.5°	54.1	58.0	61.2	59.6	58.0
80°	40.5	44.5	50.1	47.7	47.7
82.5°	27.8	32.6	37.4	35.8	35.0
85°	15.9	20.7	25.4	23.9	22.3
87.5°	6.3	10.3	11.1	11.1	10.3
90°	0.0	0.0	0.0	0.0	0.0



— 0°-180° - - 45°-225° - - - 90°-270°

(END OF REPORT)