

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: P1046749

Luminaire Tested: 22PTR-20-PB1-L940-UNV-STD-W

Issue Date: 7/10/2025

Test Information

Test Method: LM-79-2019
Report Number: P1046749
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-L940-UNV-STD-W
Description: 2000 LUMEN 2X2 PERCEIVE PT TROFFER WITH 4000K, 90 CRI LEDS AND BEVEL LENS

Light Source:
Ballast/Driver: -

Summary

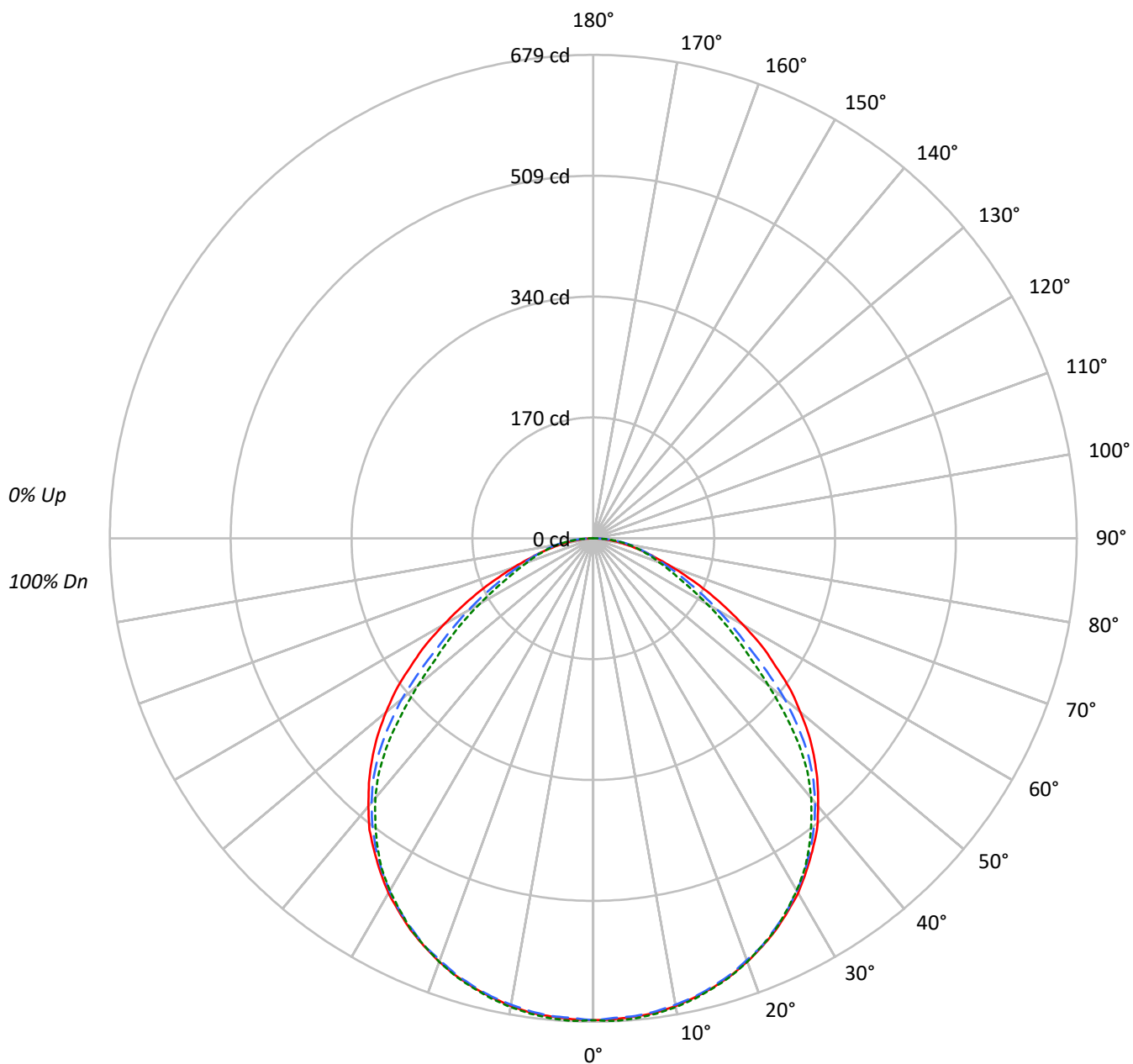
Lumens per Lamp: N/A
Luminaire Lumens: 1688.0 lumens
Efficiency: N/A
Efficacy: 112.5 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.25 / 1.34
Luminous Opening: (L: 2 ' x W: 0 ' x H: 2 '
CIE Type: Direct

Input Watts (W): 15
Input Voltage (V): 120
Input Current (A_{in}): 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: P1046749

CATALOG NUMBER: 22PTR-20-PB1-L940-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: P1046749

CATALOG NUMBER: 22PTR-20-PB1-L940-UNV-STD-W

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	64.2	3.8
10°-20°	184.2	10.9
20°-30°	279.0	16.5
30°-40°	332.4	19.7
40°-50°	325.1	19.3
50°-60°	245.9	14.6
60°-70°	151.1	8.9
70°-80°	80.5	4.8
80°-90°	25.7	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°	527.4	31.2
0°-40°	859.8	50.9
0°-60°	1430.8	84.8
0°-90°	1688.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1688.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	677	677	677	677	677	
5°	674	675	674	676	677	64
15°	653	654	651	654	654	184
25°	607	606	604	605	606	280
35°	536	535	532	530	529	335
45°	440	437	426	411	408	338
55°	312	296	266	251	246	280
65°	176	162	148	136	132	175
75°	75	76	77	74	72	80
85°	17	22	27	25	23	20
90°	0	0	0	0	0	

TEST NUMBER: P1046749

CATALOG NUMBER: 22PTR-20-PB1-L940-UNV-STD-W

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	676.9	676.9	676.9	676.9	676.9
2.5°	676.2	676.9	674.4	677.8	678.6
5°	674.4	675.3	673.6	676.2	676.9
7.5°	672.0	672.0	670.3	672.8	673.6
10°	667.0	667.0	665.3	667.8	668.6
12.5°	660.3	660.3	659.5	661.1	662.0
15°	652.8	653.6	651.2	653.6	653.6
17.5°	643.6	642.9	642.0	643.6	644.5
20°	632.8	632.8	630.4	632.0	632.8
22.5°	620.3	620.3	619.5	620.3	619.5
25°	607.0	606.1	604.5	605.4	606.1
27.5°	591.2	591.2	589.5	589.5	588.7
30°	575.4	574.5	572.0	570.4	571.2
32.5°	556.2	555.4	552.9	551.2	552.0
35°	536.2	535.4	532.1	529.6	528.8
37.5°	516.3	513.7	509.5	506.2	502.9
40°	491.3	488.7	484.6	477.1	476.2
42.5°	466.3	463.8	457.1	448.0	445.5
45°	439.6	437.2	425.5	411.3	408.0
47.5°	411.3	407.2	388.8	371.3	364.7
50°	379.7	372.2	350.5	328.1	320.6
52.5°	348.9	335.6	307.3	287.2	279.8
55°	312.2	296.4	265.7	250.6	246.4
57.5°	279.8	258.1	233.1	218.2	214.9
60°	242.3	222.3	202.4	189.0	184.0
62.5°	208.1	190.7	174.0	162.3	156.6
65°	175.7	161.5	148.3	136.5	132.4
67.5°	144.1	136.5	125.7	116.6	114.1
70°	117.4	113.2	105.8	101.6	98.3
72.5°	93.3	94.9	90.0	88.3	85.8
75°	74.9	75.8	76.6	74.1	72.5
77.5°	56.6	60.8	64.1	62.4	60.8
80°	42.5	46.6	52.4	50.0	50.0
82.5°	29.1	34.2	39.2	37.5	36.6
85°	16.7	21.7	26.7	25.0	23.3
87.5°	6.6	10.8	11.6	11.6	10.8
90°	0.0	0.0	0.0	0.0	0.0

Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report







— 0°-180° - - 45°-225° - - - 90°-270°

(END OF REPORT)