

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: P1046892

Luminaire Tested: 22PTR-20-PP3-L835-UNV-STD-W

Issue Date: 7/10/2025

Test Information

Test Method: LM-79-2019
Report Number: P1046892
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P737727)
Test Lab: INNOVATION CENTER
Issue Date: 7/10/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: 22PTR-20-PP3-L835-UNV-STD-W
Description: 2000 LUMEN 2X2 PERCEIVE PT TROFFER WITH 3500K, 80 CRI LEDS AND PRISM LENS

Light Source:
Ballast/Driver: -

Summary

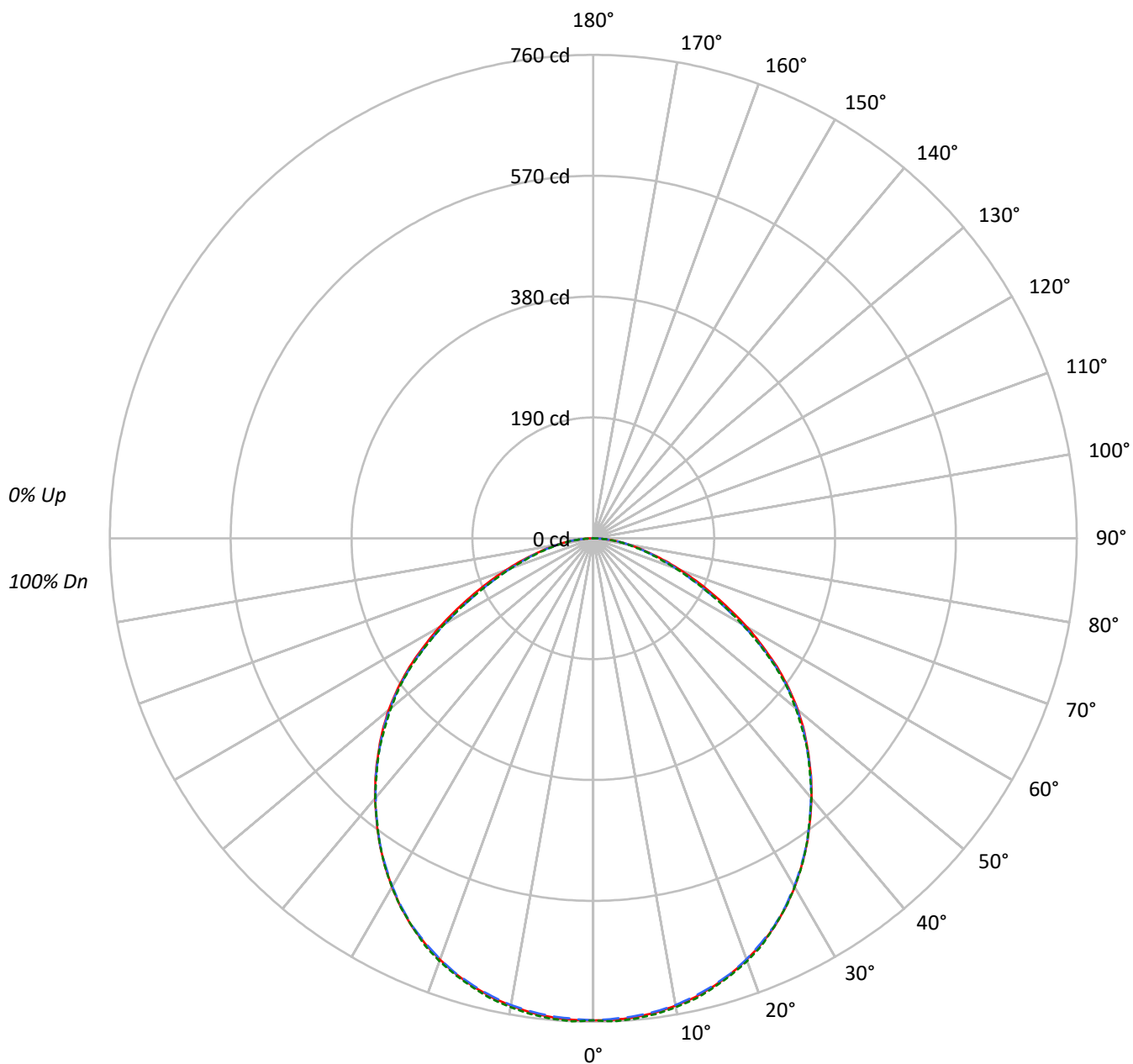
Lumens per Lamp: N/A
Luminaire Lumens: 1958.5 lumens
Efficiency: N/A
Efficacy: 130.6 lumens/watt
Spacing Criteria (0/90/45): 1.24 / 1.24 / 1.34
Luminous Opening: (L: 2 ' x W: 0 ' x H: 2 '
CIE Type: Direct

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

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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	96	99	96	93	95	92	90	91	89	87	85		
2	100	92	86	80	97	90	84	79	87	82	78	84	79	76	81	77	74	72		
3	92	81	74	67	89	80	73	67	77	71	66	74	69	65	72	67	63	61		
4	84	73	64	58	82	71	63	57	69	62	56	66	60	56	64	59	55	53		
5	77	65	56	50	75	64	56	50	62	55	49	60	54	49	58	52	48	46		
6	72	59	50	44	70	58	50	44	56	49	43	54	48	43	53	47	42	40		
7	66	53	45	39	65	52	44	39	51	44	38	50	43	38	48	42	38	36		
8	62	49	40	35	60	48	40	35	47	39	34	45	39	34	44	38	34	32		
9	58	45	37	31	57	44	36	31	43	36	31	42	35	31	41	35	31	29		
10	54	41	34	28	53	41	33	28	40	33	28	39	33	28	38	32	28	26		

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: -

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	71.9	3.7
10°-20°	205.9	10.5
20°-30°	310.0	15.8
30°-40°	365.9	18.7
40°-50°	368.0	18.8
50°-60°	310.7	15.9
60°-70°	199.5	10.2
70°-80°	99.3	5.1
80°-90°	27.2	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°	587.9	30.0
0°-40°	953.8	48.7
0°-60°	1632.5	83.4
0°-90°	1958.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1958.5	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	758	758	758	758	758	
5°	756	756	754	758	758	72
15°	729	730	728	731	731	206
25°	674	674	673	674	674	310
35°	586	586	585	585	585	366
45°	478	480	476	477	477	369
55°	353	352	349	347	348	314
65°	207	204	197	195	196	206
75°	95	94	91	90	89	103
85°	23	24	24	23	23	28
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	758.0	758.0	758.0	758.0	758.0
2.5°	757.7	758.0	756.0	759.6	760.2
5°	755.8	756.0	754.1	757.7	758.2
7.5°	751.9	752.2	750.5	753.8	754.4
10°	746.1	747.0	745.0	748.1	748.6
12.5°	739.0	739.3	737.3	740.9	741.5
15°	729.4	729.6	728.0	731.3	731.3
17.5°	718.3	718.6	717.5	720.3	720.0
20°	704.9	705.7	704.3	706.2	707.3
22.5°	690.3	690.6	688.9	691.4	692.5
25°	673.8	674.0	672.7	674.0	673.5
27.5°	654.5	655.0	653.1	654.5	654.8
30°	633.0	634.4	631.7	632.8	633.0
32.5°	609.9	610.7	608.8	609.1	610.5
35°	585.7	586.0	584.9	585.4	585.4
37.5°	559.6	560.7	559.0	559.8	558.7
40°	533.7	532.6	532.0	532.6	533.4
42.5°	506.5	506.8	506.0	505.4	504.1
45°	477.9	479.6	476.5	477.1	477.1
47.5°	449.9	450.1	448.5	446.8	445.7
50°	419.9	419.9	417.9	416.6	414.9
52.5°	387.1	386.6	384.4	383.0	383.8
55°	352.7	352.4	348.6	347.2	347.5
57.5°	315.0	315.6	309.8	308.4	308.4
60°	279.0	276.2	269.6	267.7	270.1
62.5°	241.2	237.9	230.8	230.8	232.7
65°	207.1	204.1	196.7	194.7	196.4
67.5°	175.2	172.4	165.7	164.6	165.1
70°	145.0	142.6	138.4	135.9	136.8
72.5°	118.9	116.7	113.9	112.0	110.9
75°	94.9	94.4	91.4	90.5	89.4
77.5°	75.1	74.9	72.4	71.3	70.2
80°	56.4	56.1	55.6	53.9	53.1
82.5°	40.2	40.2	39.9	38.5	37.7
85°	23.4	24.2	24.2	22.8	22.8
87.5°	9.4	9.9	9.4	9.4	9.1
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)