

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: P1046734

Luminaire Tested: 22PTR-20-PB1-L850-UNV-STD-W

Issue Date: 7/10/2025

Test Information

Test Method: LM-79-2019
Report Number: P1046734
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-L850-UNV-STD-W
Description: 2000 LUMEN 2X2 PERCEIVE PT TROFFER WITH 5000K, 80 CRI LEDS AND BEVEL LENS

Light Source:
Ballast/Driver: -

Summary

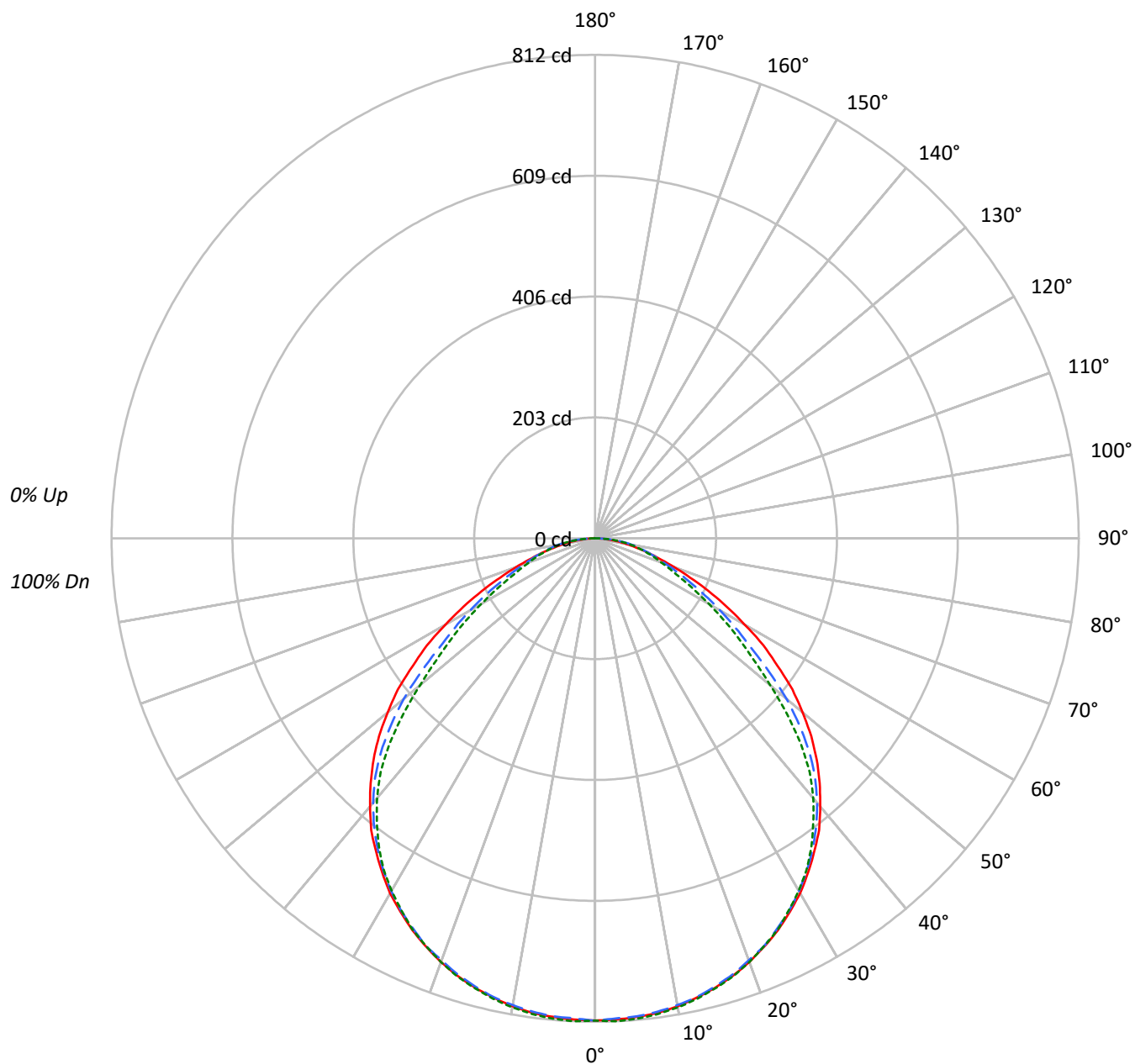
Lumens per Lamp: N/A
Luminaire Lumens: 2020.0 lumens
Efficiency: N/A
Efficacy: 134.7 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.25 / 1.34
Luminous Opening: (L: 2 ' x W: 0 ' x H: 2 '
CIE Type: Direct

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

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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	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: -

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	76.8	3.8
10°-20°	220.4	10.9
20°-30°	333.9	16.5
30°-40°	397.8	19.7
40°-50°	389.0	19.3
50°-60°	294.3	14.6
60°-70°	180.8	9.0
70°-80°	96.3	4.8
80°-90°	30.7	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°	631.1	31.2
0°-40°	1028.9	50.9
0°-60°	1712.2	84.8
0°-90°	2020.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2020.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	810	810	810	810	810	
5°	807	808	806	809	810	77
15°	781	782	779	782	782	220
25°	726	725	723	724	725	335
35°	642	641	637	634	633	401
45°	526	523	509	492	488	405
55°	374	355	318	300	295	335
65°	210	193	177	163	158	209
75°	90	91	92	89	87	96
85°	20	26	32	30	28	24
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	810.1	810.1	810.1	810.1	810.1
2.5°	809.1	810.1	807.1	811.1	812.1
5°	807.1	808.1	806.1	809.1	810.1
7.5°	804.1	804.1	802.1	805.1	806.1
10°	798.2	798.2	796.2	799.1	800.2
12.5°	790.2	790.2	789.2	791.2	792.2
15°	781.2	782.2	779.2	782.2	782.2
17.5°	770.2	769.3	768.2	770.2	771.3
20°	757.3	757.3	754.3	756.3	757.3
22.5°	742.3	742.3	741.4	742.3	741.4
25°	726.4	725.4	723.4	724.4	725.4
27.5°	707.5	707.5	705.5	705.5	704.4
30°	688.5	687.5	684.6	682.6	683.5
32.5°	665.6	664.6	661.7	659.7	660.6
35°	641.7	640.7	636.8	633.7	632.8
37.5°	617.8	614.8	609.8	605.8	601.8
40°	587.9	584.9	580.0	571.0	569.9
42.5°	558.0	555.1	547.0	536.1	533.1
45°	526.1	523.1	509.1	492.2	488.2
47.5°	492.2	487.3	465.3	444.4	436.4
50°	454.4	445.4	419.5	392.6	383.6
52.5°	417.5	401.6	367.7	343.7	334.9
55°	373.7	354.7	317.9	299.9	294.9
57.5°	334.9	308.9	279.0	261.1	257.1
60°	290.0	266.0	242.2	226.2	220.2
62.5°	249.1	228.2	208.3	194.3	187.4
65°	210.3	193.3	177.4	163.4	158.5
67.5°	172.4	163.4	150.4	139.5	136.5
70°	140.5	135.5	126.6	121.6	117.6
72.5°	111.6	113.6	107.6	105.7	102.6
75°	89.6	90.7	91.6	88.7	86.7
77.5°	67.8	72.7	76.7	74.7	72.7
80°	50.8	55.8	62.8	59.8	59.8
82.5°	34.8	40.9	46.9	44.9	43.8
85°	20.0	25.9	31.9	29.9	27.9
87.5°	8.0	13.0	13.9	13.9	13.0
90°	0.0	0.0	0.0	0.0	0.0







— 0°-180° - - 45°-225° - - - 90°-270°







(END OF REPORT)