

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: P1046729

Luminaire Tested: 22PTR-20-PB1-L840-UNV-STD-W

Issue Date: 7/10/2025

Test Information

Test Method: LM-79-2019
Report Number: P1046729
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-L840-UNV-STD-W
Description: 2000 LUMEN 2X2 PERCEIVE PT TROFFER WITH 4000K, 80 CRI LEDS AND BEVEL LENS

Light Source:
Ballast/Driver: -

Summary

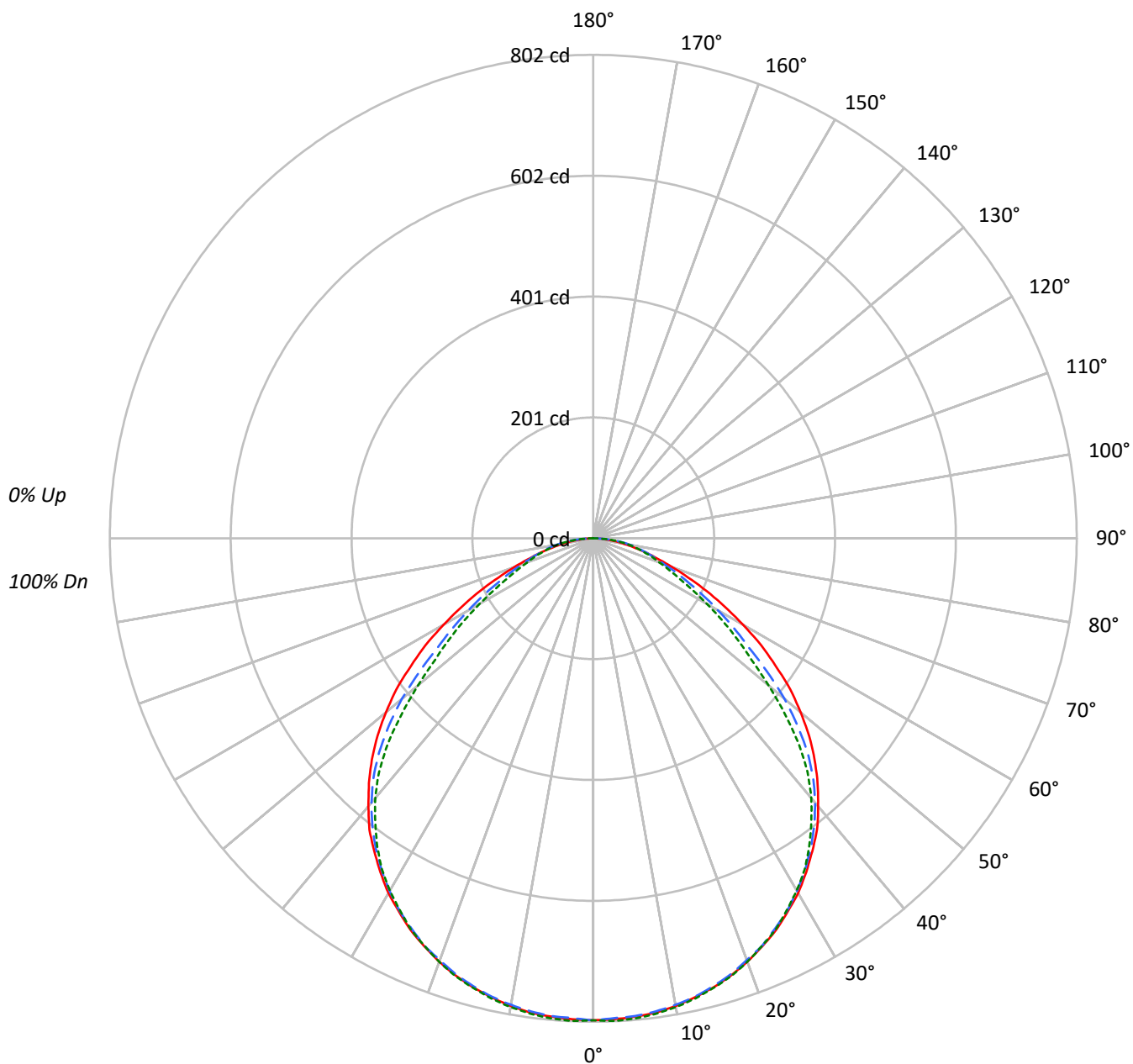
Lumens per Lamp: N/A
Luminaire Lumens: 1994.0 lumens
Efficiency: N/A
Efficacy: 132.9 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.25 / 1.34
Luminous Opening: (L: 2 ' x W: 0 ' x H: 2 '
CIE Type: Direct

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°	75.8	3.8
10°-20°	217.6	10.9
20°-30°	329.6	16.5
30°-40°	392.7	19.7
40°-50°	384.0	19.3
50°-60°	290.5	14.6
60°-70°	178.5	8.9
70°-80°	95.1	4.8
80°-90°	30.3	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°	623.0	31.2
0°-40°	1015.7	50.9
0°-60°	1690.1	84.8
0°-90°	1994.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1994.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	800	800	800	800	800	
5°	797	798	796	799	800	76
15°	771	772	769	772	772	218
25°	717	716	714	715	716	330
35°	633	632	629	626	625	396
45°	519	516	503	486	482	399
55°	369	350	314	296	291	330
65°	208	191	175	161	156	207
75°	88	90	90	88	86	95
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°	799.7	799.7	799.7	799.7	799.7
2.5°	798.7	799.7	796.7	800.7	801.6
5°	796.7	797.7	795.7	798.7	799.7
7.5°	793.8	793.8	791.8	794.7	795.7
10°	787.9	787.9	785.9	788.8	789.9
12.5°	780.0	780.0	779.0	781.0	782.0
15°	771.2	772.1	769.2	772.1	772.1
17.5°	760.3	759.4	758.4	760.3	761.4
20°	747.5	747.5	744.6	746.6	747.5
22.5°	732.7	732.7	731.8	732.7	731.8
25°	717.1	716.0	714.1	715.1	716.0
27.5°	698.4	698.4	696.4	696.4	695.4
30°	679.7	678.6	675.7	673.8	674.7
32.5°	657.1	656.0	653.1	651.2	652.1
35°	633.4	632.5	628.6	625.6	624.6
37.5°	609.9	606.9	601.9	598.0	594.1
40°	580.3	577.3	572.5	563.6	562.6
42.5°	550.8	547.9	540.0	529.2	526.2
45°	519.3	516.4	502.6	485.8	481.9
47.5°	485.8	481.0	459.3	438.7	430.8
50°	448.6	439.7	414.1	387.5	378.7
52.5°	412.1	396.4	363.0	339.3	330.5
55°	368.9	350.2	313.8	296.1	291.1
57.5°	330.5	304.9	275.4	257.7	253.8
60°	286.2	262.6	239.1	223.3	217.4
62.5°	245.9	225.2	205.6	191.8	184.9
65°	207.6	190.8	175.1	161.3	156.4
67.5°	170.2	161.3	148.5	137.8	134.8
70°	138.7	133.7	124.9	120.0	116.1
72.5°	110.2	112.1	106.3	104.3	101.3
75°	88.5	89.5	90.5	87.6	85.6
77.5°	66.9	71.8	75.7	73.7	71.8
80°	50.2	55.0	62.0	59.1	59.1
82.5°	34.4	40.4	46.3	44.3	43.3
85°	19.7	25.6	31.5	29.5	27.6
87.5°	7.8	12.8	13.7	13.7	12.8
90°	0.0	0.0	0.0	0.0	0.0





— 0°-180° - - 45°-225° - - - 90°-270°

(END OF REPORT)