

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: P1050608

Luminaire Tested: 24PTR-20-PB1-L940-UNV-STD-W

Issue Date: 7/11/2025

Test Information

Test Method: LM-79-2019
Report Number: P1050608
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P737703)
Test Lab: INNOVATION CENTER
Issue Date: 7/11/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: 24PTR-20-PB1-L940-UNV-STD-W
Description: 2000 LUMEN 2X4 PERCEIVE PT TROFFER WITH 4000K, 90 CRI LEDS AND FROSTED LENS

Light Source:
Ballast/Driver: -

Summary

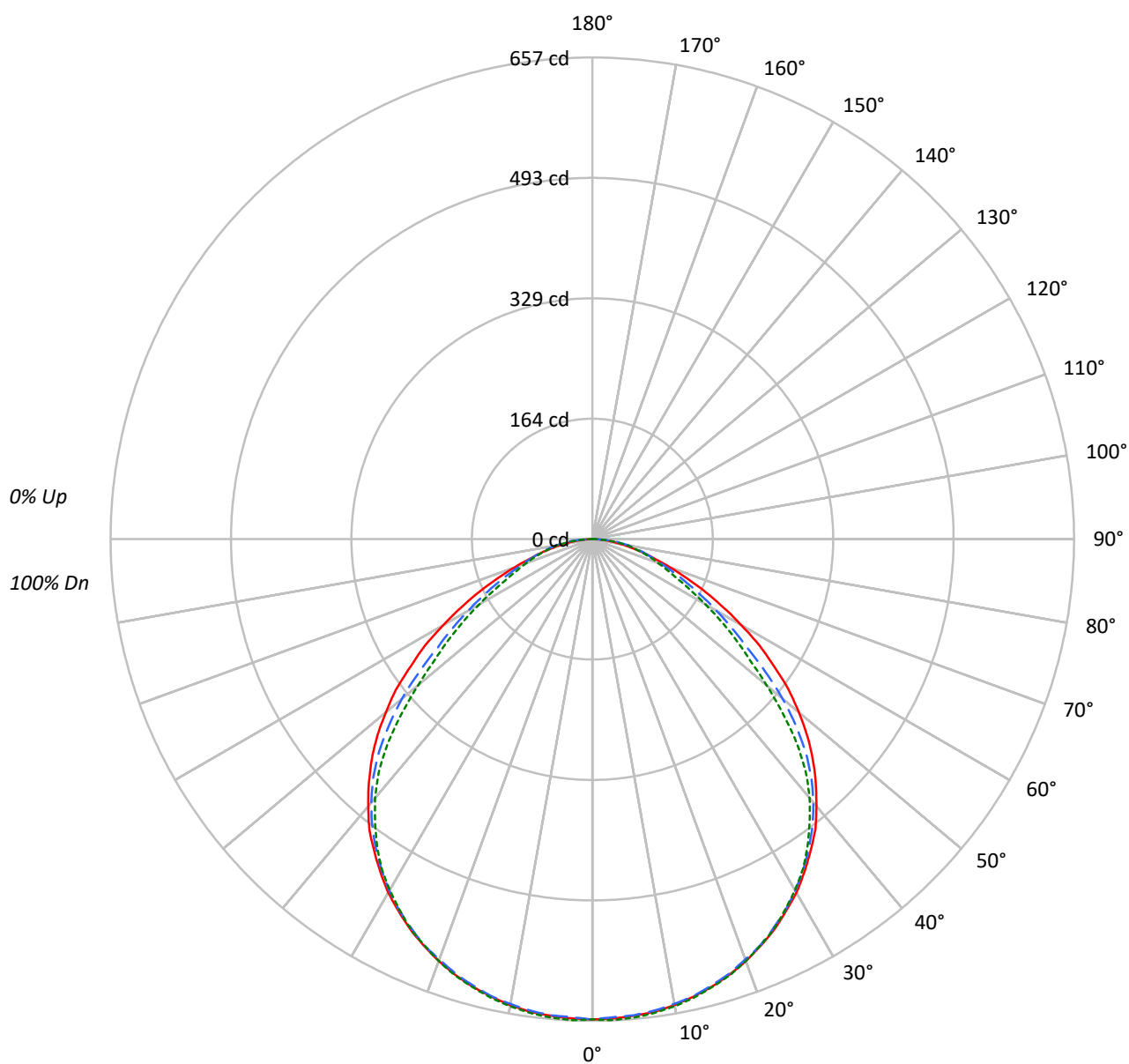
Lumens per Lamp: N/A
Luminaire Lumens: 1633.5 lumens
Efficiency: N/A
Efficacy: 108.9 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.25 / 1.34
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

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°	881	881	881
5°	881	880	885
10°	882	880	884
15°	880	878	881
20°	877	873	877
25°	872	868	871
30°	865	860	859
35°	852	846	840
40°	835	824	810
45°	809	783	751
50°	769	710	649
55°	709	603	559
60°	631	527	479
65°	541	457	408
70°	447	403	374
75°	377	385	364
80°	318	394	375
85°	250	398	349

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 45°
Luminance: 809 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	62.1	3.8
10°-20°	178.2	10.9
20°-30°	270.0	16.5
30°-40°	321.7	19.7
40°-50°	314.6	19.3
50°-60°	237.9	14.6
60°-70°	146.2	8.9
70°-80°	77.9	4.8
80°-90°	24.9	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°	510.3	31.2
0°-40°	832.0	50.9
0°-60°	1384.6	84.8
0°-90°	1633.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1633.5	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	655	655	655	655	655	
5°	653	654	652	654	655	62
15°	632	632	630	632	632	178
25°	587	587	585	586	587	271
35°	519	518	515	512	512	325
45°	425	423	412	398	395	327
55°	302	287	257	242	238	271
65°	170	156	144	132	128	169
75°	72	73	74	72	70	78
85°	16	21	26	24	23	19
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	655.1	655.1	655.1	655.1	655.1
2.5°	654.3	655.1	652.6	655.9	656.7
5°	652.6	653.5	651.9	654.3	655.1
7.5°	650.3	650.3	648.7	651.0	651.9
10°	645.4	645.4	643.8	646.2	647.0
12.5°	639.0	639.0	638.2	639.8	640.6
15°	631.7	632.5	630.1	632.5	632.5
17.5°	622.9	622.1	621.2	622.9	623.7
20°	612.4	612.4	610.0	611.6	612.4
22.5°	600.3	600.3	599.5	600.3	599.5
25°	587.4	586.6	585.0	585.8	586.6
27.5°	572.1	572.1	570.5	570.5	569.6
30°	556.8	555.9	553.6	552.0	552.7
32.5°	538.3	537.4	535.0	533.4	534.2
35°	518.9	518.1	514.9	512.5	511.7
37.5°	499.6	497.1	493.1	489.9	486.7
40°	475.4	473.0	469.0	461.7	460.9
42.5°	451.2	448.8	442.3	433.5	431.1
45°	425.4	423.0	411.7	398.0	394.8
47.5°	398.0	394.0	376.3	359.3	352.9
50°	367.5	360.2	339.2	317.5	310.2
52.5°	337.6	324.7	297.3	278.0	270.8
55°	302.2	286.9	257.1	242.5	238.5
57.5°	270.8	249.8	225.6	211.1	207.9
60°	234.5	215.1	195.8	182.9	178.1
62.5°	201.4	184.5	168.4	157.1	151.5
65°	170.0	156.3	143.5	132.1	128.2
67.5°	139.4	132.1	121.6	112.8	110.4
70°	113.6	109.5	102.4	98.3	95.1
72.5°	90.3	91.9	87.0	85.4	83.0
75°	72.5	73.3	74.1	71.7	70.1
77.5°	54.8	58.8	62.0	60.4	58.8
80°	41.1	45.1	50.8	48.4	48.4
82.5°	28.2	33.1	37.9	36.3	35.4
85°	16.2	21.0	25.8	24.2	22.6
87.5°	6.4	10.5	11.3	11.3	10.5
90°	0.0	0.0	0.0	0.0	0.0



— 0°-180° - - 45°-225° 90°-270°

(END OF REPORT)