

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: P1050916

Luminaire Tested: 24PTR-20-PP3-L940-UNV-STD-W

Issue Date: 7/11/2025

Test Information

Test Method: LM-79-2019
Report Number: P1050916
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P737727)
Test Lab: INNOVATION CENTER
Issue Date: 7/11/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: 24PTR-20-PP3-L940-UNV-STD-W
Description: 2000 LUMEN 2X4 PERCEIVE PT TROFFER WITH 4000K, 90 CRI LEDS AND PRISM LENS

Light Source:
Ballast/Driver: -

Summary

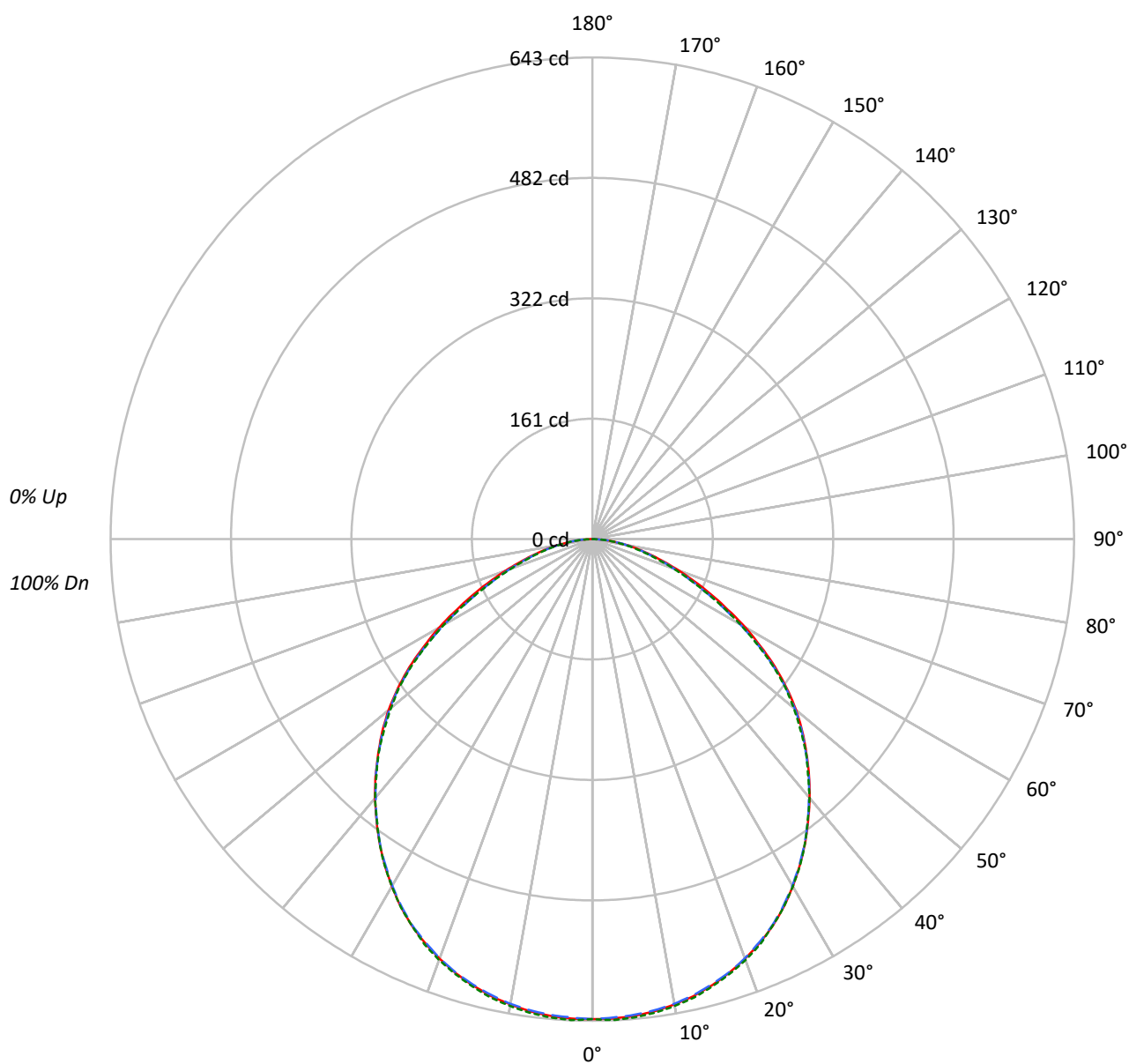
Lumens per Lamp: N/A
Luminaire Lumens: 1655.8 lumens
Efficiency: N/A
Efficacy: 110.4 lumens/watt
Spacing Criteria (0/90/45): 1.24 / 1.24 / 1.34
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

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	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°	862	862	862
5°	863	861	866
10°	862	861	865
15°	859	857	861
20°	853	853	856
25°	846	844	845
30°	832	830	832
35°	813	812	813
40°	793	790	792
45°	769	766	767
50°	743	740	734
55°	700	691	689
60°	635	614	615
65°	557	529	529
70°	482	460	455
75°	417	402	393
80°	370	364	348
85°	306	316	298

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°

Vertical Angle: 45°

Luminance: 772 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	60.8	3.7
10°-20°	174.1	10.5
20°-30°	262.1	15.8
30°-40°	309.4	18.7
40°-50°	311.1	18.8
50°-60°	262.7	15.9
60°-70°	168.7	10.2
70°-80°	83.9	5.1
80°-90°	23.0	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°	497.0	30.0
0°-40°	806.4	48.7
0°-60°	1380.2	83.4
0°-90°	1655.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1655.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	641	641	641	641	641	
5°	639	639	638	641	641	61
15°	617	617	616	618	618	174
25°	570	570	569	570	569	262
35°	495	496	494	495	495	310
45°	404	406	403	403	403	312
55°	298	298	295	294	294	265
65°	175	173	166	165	166	175
75°	80	80	77	76	76	87
85°	20	20	20	19	19	23
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	640.8	640.8	640.8	640.8	640.8
2.5°	640.6	640.8	639.2	642.2	642.7
5°	639.0	639.2	637.6	640.6	641.0
7.5°	635.7	635.9	634.5	637.3	637.8
10°	630.8	631.5	629.9	632.5	632.9
12.5°	624.8	625.0	623.4	626.4	626.9
15°	616.7	616.8	615.5	618.3	618.3
17.5°	607.3	607.5	606.6	609.0	608.7
20°	596.0	596.6	595.5	597.1	598.0
22.5°	583.6	583.9	582.4	584.6	585.5
25°	569.7	569.8	568.7	569.8	569.4
27.5°	553.4	553.8	552.2	553.4	553.6
30°	535.2	536.4	534.1	535.0	535.2
32.5°	515.7	516.3	514.7	515.0	516.2
35°	495.2	495.5	494.5	495.0	495.0
37.5°	473.2	474.1	472.6	473.3	472.4
40°	451.3	450.3	449.8	450.3	451.0
42.5°	428.2	428.4	427.8	427.3	426.2
45°	404.0	405.5	402.8	403.3	403.3
47.5°	380.3	380.5	379.2	377.7	376.8
50°	355.0	355.0	353.3	352.2	350.8
52.5°	327.3	326.8	325.0	323.8	324.5
55°	298.2	297.9	294.7	293.5	293.8
57.5°	266.3	266.8	261.9	260.8	260.8
60°	235.9	233.5	228.0	226.4	228.4
62.5°	204.0	201.2	195.2	195.2	196.8
65°	175.1	172.6	166.3	164.6	166.1
67.5°	148.2	145.8	140.1	139.1	139.5
70°	122.6	120.5	117.0	114.9	115.6
72.5°	100.5	98.6	96.3	94.7	93.7
75°	80.2	79.8	77.3	76.5	75.6
77.5°	63.5	63.3	61.2	60.3	59.3
80°	47.7	47.4	47.0	45.6	44.9
82.5°	34.0	34.0	33.7	32.5	31.9
85°	19.8	20.5	20.5	19.3	19.3
87.5°	7.9	8.4	7.9	7.9	7.7
90°	0.0	0.0	0.0	0.0	0.0



— 0°-180° - - 45°-225° 90°-270°

(END OF REPORT)