

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: P1050434

Luminaire Tested: PTR-14-20-PW1-L940-UNV-STD-W

Issue Date: 7/11/2025

Test Information

Test Method: LM-79-2019
Report Number: P1050434
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P737743)
Test Lab: INNOVATION CENTER
Issue Date: 7/11/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: PTR-14-20-PW1-L940-UNV-STD-W
Description: 2000 LUMEN 1X4 PERCEIVE PT TROFFER WITH 4000K, 90 CRI LEDS AND RIPPLE LENS

Light Source:
Ballast/Driver: -

Summary

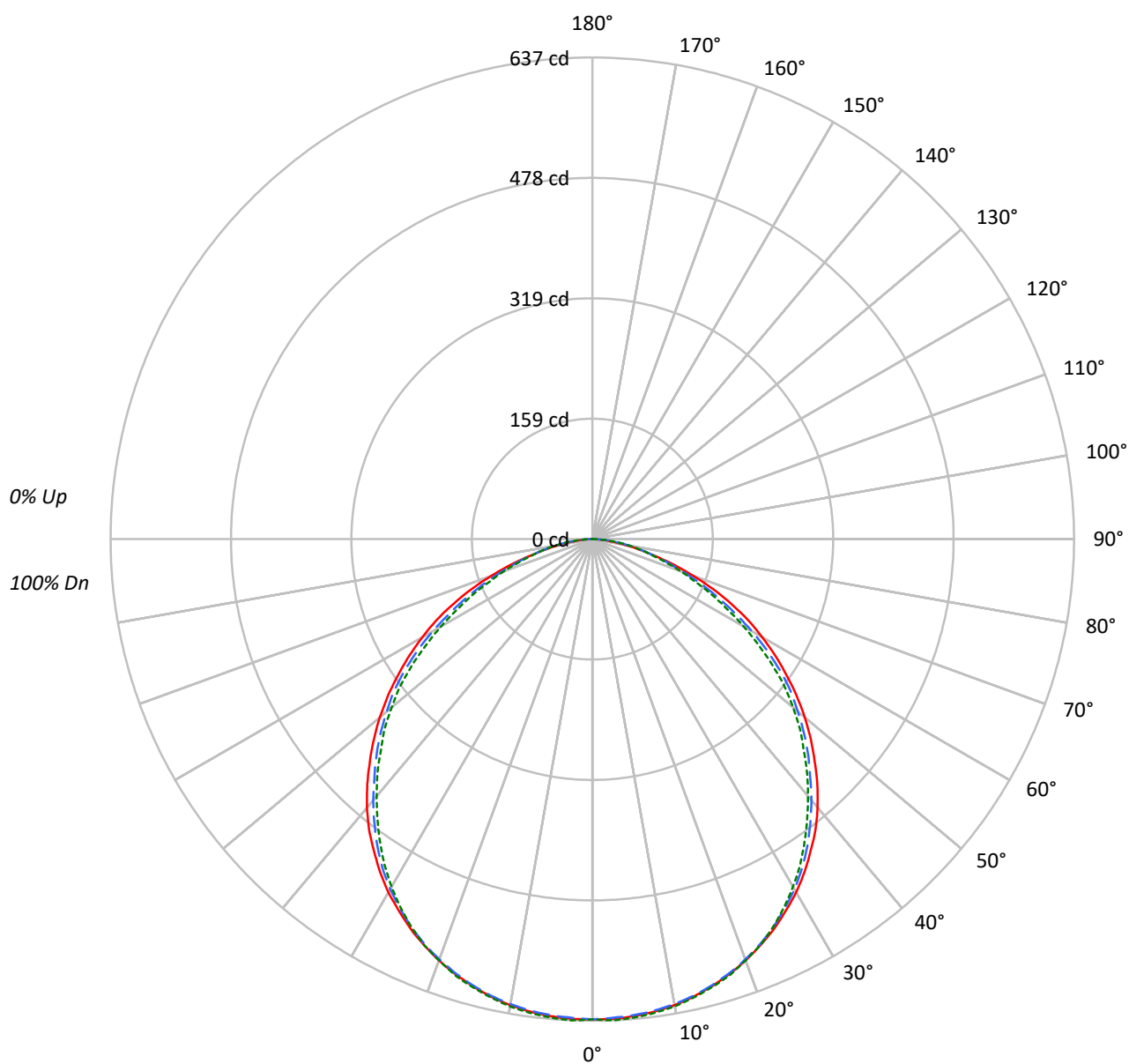
Lumens per Lamp: N/A
Luminaire Lumens: 1685.8 lumens
Efficiency: N/A
Efficacy: 105.4 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.24 / 1.34
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 16
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	102	102	100
1	109	105	101	97	107	103	99	95	98	95	92	94	92	90	91	89	87	87	87	85
2	100	92	85	80	97	90	84	79	86	81	77	83	79	75	80	77	74	74	74	71
3	91	81	73	67	89	79	72	66	76	70	65	74	68	64	71	67	63	63	63	61
4	84	72	63	57	81	71	63	57	68	61	56	66	60	55	64	59	54	54	54	52
5	77	64	56	49	75	63	55	49	61	54	48	59	53	48	57	52	47	47	47	45
6	71	58	49	43	69	57	49	43	55	48	42	54	47	42	52	46	42	42	42	40
7	66	53	44	38	64	52	44	38	50	43	38	49	42	37	48	42	37	37	37	35
8	62	48	40	34	60	48	40	34	46	39	34	45	38	34	44	38	33	33	33	31
9	58	44	36	31	56	44	36	31	43	35	30	41	35	30	40	34	30	30	30	28
10	54	41	33	28	53	40	33	28	39	32	28	38	32	28	38	32	27	27	27	26

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1709	1709	1709
5°	1711	1707	1716
10°	1710	1706	1715
15°	1705	1702	1709
20°	1698	1694	1698
25°	1689	1681	1680
30°	1676	1661	1649
35°	1653	1628	1607
40°	1628	1583	1558
45°	1583	1536	1505
50°	1535	1485	1451
55°	1471	1421	1365
60°	1395	1312	1244
65°	1290	1172	1114
70°	1118	1020	982
75°	893	873	849
80°	679	758	758
85°	503	648	648

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 1583 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	60.2	3.6
10°-20°	172.8	10.2
20°-30°	261.1	15.5
30°-40°	310.1	18.4
40°-50°	312.4	18.5
50°-60°	270.0	16.0
60°-70°	184.5	10.9
70°-80°	91.0	5.4
80°-90°	23.6	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°	494.2	29.3
0°-40°	804.2	47.7
0°-60°	1386.7	82.3
0°-90°	1685.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1685.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	635	635	635	635	635	
5°	633	634	632	634	635	60
15°	612	613	611	613	613	173
25°	569	568	566	567	566	262
35°	503	502	496	491	489	315
45°	416	411	404	399	395	321
55°	314	313	303	294	291	280
65°	203	195	184	176	175	200
75°	86	85	84	84	82	94
85°	16	19	21	21	21	20
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	635.2	635.2	635.2	635.2	635.2
2.5°	635.1	635.2	633.6	636.4	637.1
5°	633.3	633.6	632.0	634.5	635.2
7.5°	630.3	630.8	628.9	631.5	632.0
10°	625.8	626.1	624.4	627.0	627.5
12.5°	619.7	619.9	618.5	620.9	620.9
15°	612.0	612.6	611.0	613.2	613.3
17.5°	603.2	603.5	601.9	604.2	604.7
20°	592.9	592.9	591.5	593.4	592.9
22.5°	581.3	581.3	579.7	580.7	581.1
25°	568.7	568.2	566.3	566.8	565.9
27.5°	554.1	554.1	550.7	550.7	549.1
30°	539.3	538.1	534.6	532.4	530.8
32.5°	522.2	520.6	516.2	512.4	511.2
35°	503.3	501.5	495.6	491.2	489.3
37.5°	484.9	481.1	473.3	468.9	466.7
40°	463.4	458.7	450.7	444.6	443.6
42.5°	440.4	436.6	426.3	421.7	420.6
45°	415.9	411.4	403.6	398.9	395.4
47.5°	391.9	388.6	379.7	374.0	372.8
50°	366.7	363.8	354.7	348.6	346.5
52.5°	340.6	338.7	330.9	323.1	320.6
55°	313.5	312.6	302.9	294.0	290.9
57.5°	286.9	285.8	273.7	263.3	260.5
60°	259.2	255.6	243.8	234.2	231.1
62.5°	232.8	225.3	212.5	205.0	201.5
65°	202.6	195.3	184.1	176.0	174.9
67.5°	173.0	164.3	155.6	150.6	146.9
70°	142.1	136.2	129.7	125.5	124.8
72.5°	113.4	109.2	105.9	103.3	101.2
75°	85.9	85.2	84.0	84.0	81.7
77.5°	63.1	64.7	65.7	65.4	65.9
80°	43.8	47.0	48.9	49.2	48.9
82.5°	27.8	31.6	34.6	35.1	35.6
85°	16.3	19.1	21.0	21.4	21.0
87.5°	7.3	9.2	9.7	10.1	9.7
90°	0.0	0.0	0.0	0.0	0.0



— 0°-180° - - 45°-225° 90°-270°

(END OF REPORT)