

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: P1050079

Luminaire Tested: PTR-14-20-L840-UNV-STD-W

Issue Date: 7/11/2025

Test Information

Test Method: LM-79-2019
Report Number: P1050079
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2310-200-1)
Test Lab: INNOVATION CENTER
Issue Date: 7/11/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: PTR-14-20-L840-UNV-STD-W
Description: 2000 LUMEN 1X4 PERCEIVE PT TROFFER WITH 4000K, 80 CRI LEDS AND FROSTED LENS

Light Source:
Ballast/Driver: -

Summary

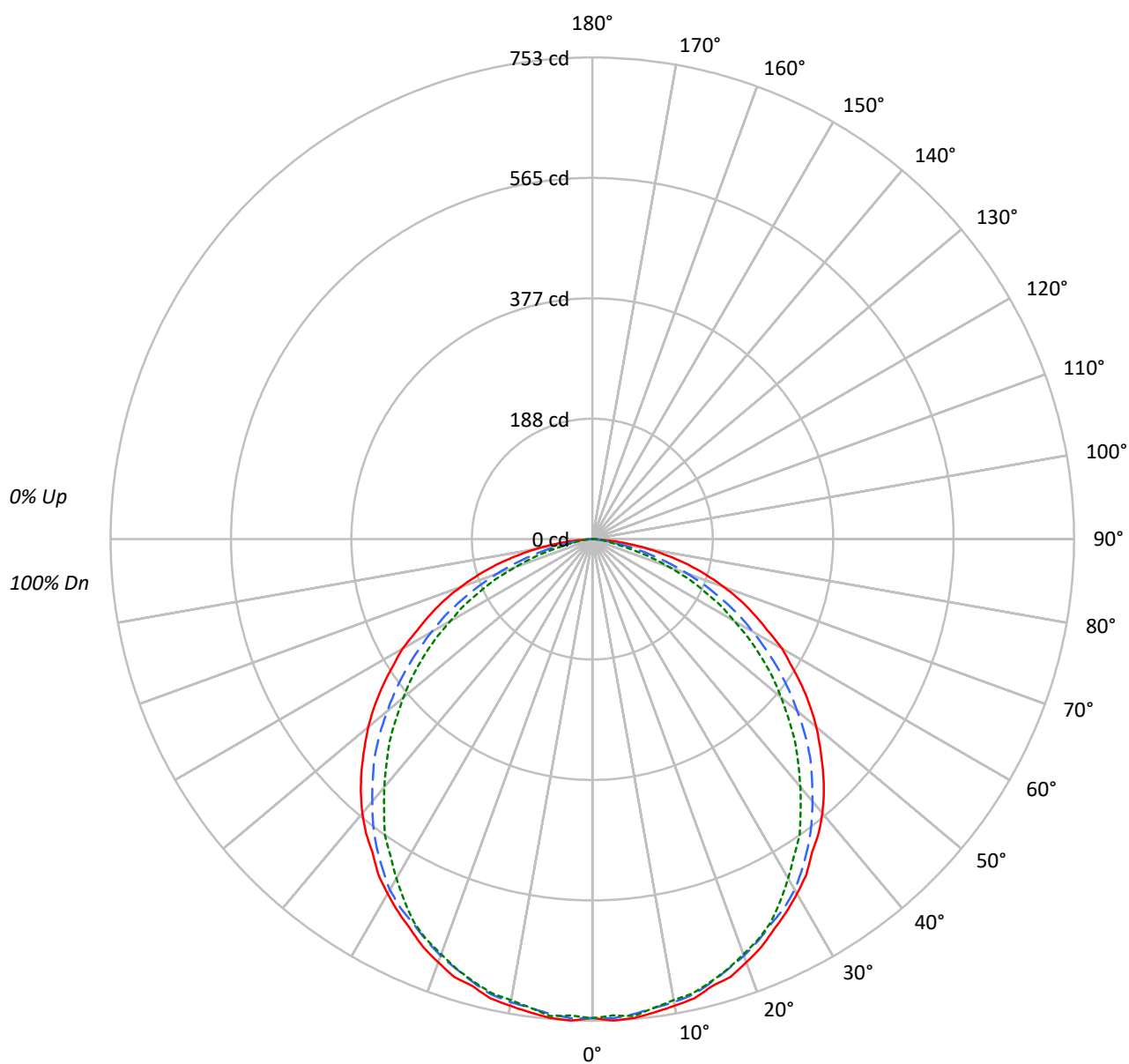
Lumens per Lamp: N/A
Luminaire Lumens: 1994.6 lumens
Efficiency: N/A
Efficacy: 124.7 lumens/watt
Spacing Criteria (0/90/45): 1.27 / 1.21 / 1.35
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

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	96	98	95	93	95	92	90	91	89	87	87	87	85
2	100	92	85	80	97	90	84	79	87	81	77	83	79	75	80	77	74	74	74	72
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	56	68	61	56	66	60	55	64	58	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	61	48	40	34	60	47	39	34	46	39	34	45	38	33	44	38	33	33	33	31
9	57	44	36	31	56	44	36	30	42	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	27	37	32	27	27	27	26

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2015	2015	2015
5°	2030	2013	2022
10°	2024	2008	2000
15°	2015	1999	1996
20°	2017	1985	1977
25°	1997	1968	1961
30°	1989	1967	1903
35°	1966	1931	1856
40°	1965	1880	1777
45°	1940	1831	1706
50°	1914	1750	1613
55°	1877	1668	1515
60°	1843	1560	1376
65°	1780	1431	1230
70°	1723	1245	1004
75°	1619	984	691
80°	1402	595	415
85°	936	426	398

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 1940 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	71.0	3.6
10°-20°	203.1	10.2
20°-30°	306.8	15.4
30°-40°	364.8	18.3
40°-50°	370.0	18.5
50°-60°	321.3	16.1
60°-70°	228.1	11.4
70°-80°	109.0	5.5
80°-90°	20.7	1.0
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°	580.9	29.1
0°-40°	945.7	47.4
0°-60°	1636.9	82.1
0°-90°	1994.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1994.6	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	749	749	749	749	749	
5°	752	749	745	747	748	71
15°	723	725	718	717	716	205
25°	673	672	663	665	660	311
35°	598	598	588	568	565	376
45°	510	505	481	456	448	393
55°	400	388	356	334	323	357
65°	280	259	225	201	193	277
75°	156	127	95	75	66	163
85°	30	16	14	13	13	38
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	748.8	748.8	748.8	748.8	748.8
2.5°	753.3	750.6	749.7	752.8	745.3
5°	751.5	748.8	745.3	747.0	748.4
7.5°	746.2	743.9	739.0	743.0	739.0
10°	740.8	738.6	735.0	736.3	731.9
12.5°	735.4	730.1	729.2	730.1	727.0
15°	723.4	725.2	717.6	716.7	716.3
17.5°	717.6	713.1	705.1	705.6	704.7
20°	704.2	698.9	693.1	692.2	690.4
22.5°	690.4	684.2	678.8	681.5	677.5
25°	672.6	671.7	662.8	665.4	660.5
27.5°	657.0	653.8	649.8	644.0	636.9
30°	640.0	636.9	632.9	617.7	612.4
32.5°	622.2	618.6	610.6	592.7	586.9
35°	598.5	597.6	587.8	567.8	565.1
37.5°	580.7	570.9	562.8	542.3	534.7
40°	559.3	553.9	535.2	515.6	505.8
42.5°	535.6	529.4	508.0	487.0	476.3
45°	509.8	505.3	481.2	455.8	448.2
47.5°	483.0	479.0	450.5	425.9	416.1
50°	457.1	452.2	417.9	394.3	385.3
52.5°	429.0	421.0	387.1	363.9	355.5
55°	400.1	388.0	355.5	334.5	322.9
57.5°	369.3	358.1	322.0	300.2	290.8
60°	342.5	326.9	289.9	267.6	255.6
62.5°	308.2	294.8	259.6	233.3	227.5
65°	279.6	258.7	224.8	200.7	193.1
67.5°	250.7	226.1	191.8	167.2	163.2
70°	219.0	193.6	158.3	134.2	127.6
72.5°	186.9	161.9	127.6	102.1	98.1
75°	155.7	127.1	94.6	74.9	66.5
77.5°	121.8	95.9	66.5	45.9	40.6
80°	90.5	64.7	38.4	27.2	26.8
82.5°	59.3	37.5	20.5	21.0	20.1
85°	30.3	16.1	13.8	13.4	12.9
87.5°	5.8	6.2	6.7	6.7	6.7
90°	0.0	0.0	0.0	0.0	0.0



— 0°-180° - - 45°-225° 90°-270°

(END OF REPORT)