

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: P1050226

Luminaire Tested: PTR-14-20-PL1-L840-UNV-STD-W

Issue Date: 7/11/2025

Test Information

Test Method: LM-79-2019
Report Number: P1050226
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P737719)
Test Lab: INNOVATION CENTER
Issue Date: 7/11/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: PTR-14-20-PL1-L840-UNV-STD-W
Description: 2000 LUMEN 1X4 PERCEIVE PT TROFFER WITH 4000K, 80 CRI LEDS AND LEAVES LENS

Light Source:
Ballast/Driver: -

Summary

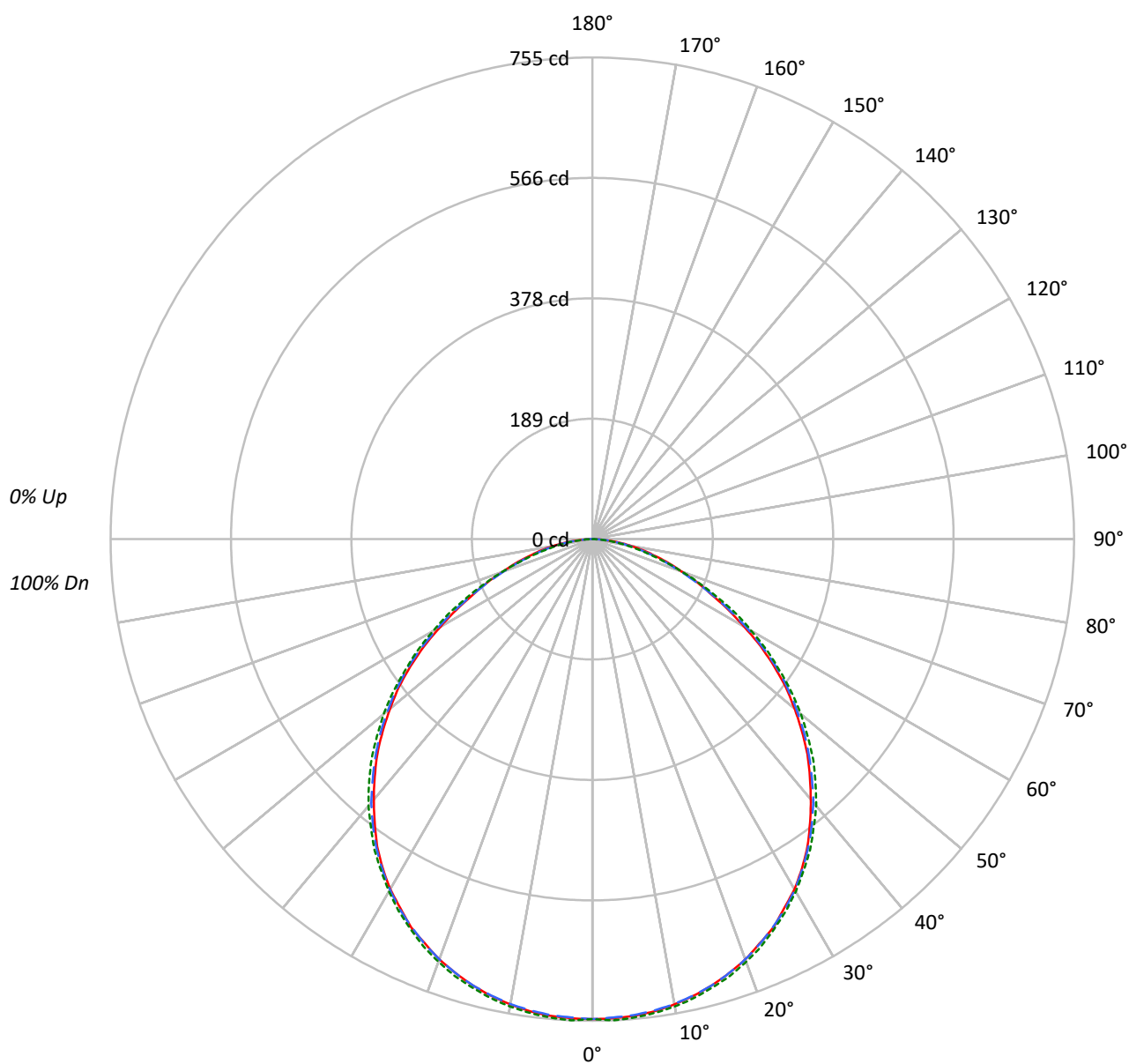
Lumens per Lamp: N/A
Luminaire Lumens: 1983.4 lumens
Efficiency: N/A
Efficacy: 124.0 lumens/watt
Spacing Criteria (0/90/45): 1.25 / 1.26 / 1.35
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

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	94	92	90	91	89	87	87	87	85
2	100	92	86	80	97	90	84	79	87	82	77	83	79	75	80	77	74	74	74	72
3	91	81	73	67	89	80	72	66	77	70	65	74	69	64	71	67	63	63	63	61
4	84	72	64	57	82	71	63	57	68	61	56	66	60	55	64	59	55	55	55	52
5	77	65	56	49	75	64	55	49	61	54	49	60	53	48	58	52	48	48	48	46
6	71	58	50	43	69	57	49	43	56	48	43	54	47	42	52	47	42	42	42	40
7	66	53	44	38	65	52	44	38	51	43	38	49	43	38	48	42	37	37	37	35
8	62	48	40	34	60	48	40	34	46	39	34	45	39	34	44	38	34	34	34	32
9	58	44	36	31	56	44	36	31	43	36	31	42	35	30	41	35	30	30	30	29
10	54	41	33	28	53	41	33	28	40	33	28	39	32	28	38	32	28	28	28	26

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2025	2025	2025
5°	2026	2023	2034
10°	2024	2022	2033
15°	2018	2017	2027
20°	2008	2008	2019
25°	1994	1991	2002
30°	1969	1972	1981
35°	1931	1939	1954
40°	1871	1893	1917
45°	1813	1828	1863
50°	1733	1752	1787
55°	1633	1658	1678
60°	1481	1512	1550
65°	1315	1330	1383
70°	1175	1152	1180
75°	1061	999	979
80°	964	894	795
85°	815	741	639

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 1863 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	71.4	3.6
10°-20°	204.7	10.3
20°-30°	309.6	15.6
30°-40°	369.1	18.6
40°-50°	371.1	18.7
50°-60°	315.0	15.9
60°-70°	209.7	10.6
70°-80°	104.7	5.3
80°-90°	28.0	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°	585.7	29.5
0°-40°	954.8	48.1
0°-60°	1640.9	82.7
0°-90°	1983.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1983.4	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	752	752	752	752	752	
5°	750	750	749	752	753	71
15°	724	725	724	727	728	204
25°	672	672	671	674	674	309
35°	588	588	590	594	595	367
45°	476	477	480	487	490	367
55°	348	350	354	357	358	310
65°	206	208	209	212	217	207
75°	102	101	96	94	94	110
85°	26	26	24	23	21	31
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	752.4	752.4	752.4	752.4	752.4
2.5°	751.8	752.4	750.4	754.0	755.0
5°	750.2	750.4	748.8	752.1	752.9
7.5°	746.6	746.9	745.1	748.8	749.3
10°	740.7	741.3	739.9	743.2	744.0
12.5°	733.2	734.0	732.6	736.2	736.8
15°	724.3	725.1	724.0	727.0	727.6
17.5°	713.3	713.9	713.3	716.2	717.8
20°	701.1	701.1	701.1	703.6	705.0
22.5°	685.8	687.2	686.6	689.9	691.3
25°	671.6	671.6	670.7	673.8	674.3
27.5°	651.7	654.0	653.8	656.5	657.1
30°	633.6	634.2	634.5	636.4	637.6
32.5°	611.6	612.1	613.0	615.8	616.1
35°	587.9	588.5	590.1	594.3	594.9
37.5°	560.4	563.4	564.8	569.3	569.8
40°	532.7	534.6	538.9	543.6	545.8
42.5°	504.6	506.8	509.3	515.7	517.7
45°	476.4	477.2	480.3	486.7	489.6
47.5°	445.2	447.7	450.5	456.0	457.8
50°	414.0	416.7	418.5	423.4	426.8
52.5°	382.5	385.0	387.0	390.0	393.3
55°	348.0	350.4	353.5	356.9	357.7
57.5°	312.8	315.5	317.6	321.1	324.8
60°	275.1	278.3	281.0	284.3	288.0
62.5°	240.1	241.4	244.2	249.8	255.1
65°	206.5	208.3	208.8	211.9	217.2
67.5°	178.7	178.7	176.2	177.3	183.1
70°	149.4	148.3	146.4	145.3	150.0
72.5°	125.7	124.3	120.1	118.2	120.7
75°	102.0	100.6	96.1	93.9	94.2
77.5°	81.9	79.7	76.1	72.2	71.4
80°	62.2	61.3	57.7	54.1	51.3
82.5°	44.1	42.1	40.1	37.9	35.7
85°	26.4	25.9	24.0	22.6	20.7
87.5°	10.8	10.8	10.3	9.7	9.2
90°	0.0	0.0	0.0	0.0	0.0



— 0°-180° - - 45°-225° 90°-270°

(END OF REPORT)