

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: P1050223

Luminaire Tested: PTR-14-20-PL1-L835-UNV-STD-W

Issue Date: 7/11/2025

Test Information

Test Method: LM-79-2019
Report Number: P1050223
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-L835-UNV-STD-W
Description: 2000 LUMEN 1X4 PERCEIVE PT TROFFER WITH 3500K, 80 CRI LEDS AND LEAVES LENS

Light Source:
Ballast/Driver: -

Summary

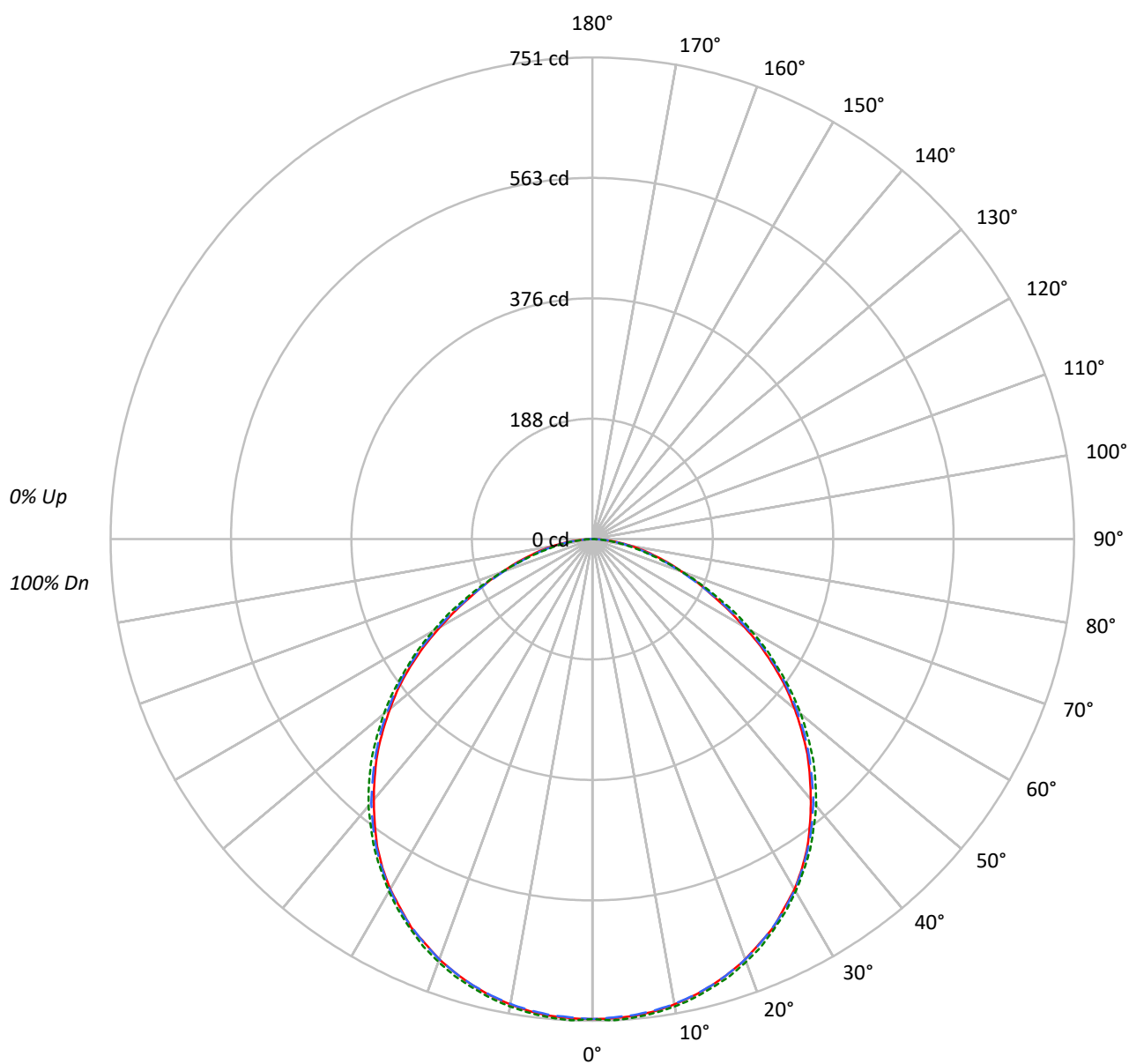
Lumens per Lamp: N/A
Luminaire Lumens: 1972.8 lumens
Efficiency: N/A
Efficacy: 123.3 lumens/watt
Spacing Criteria (0/90/45): 1.25 / 1.26 / 1.35
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

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°	2014	2014	2014
5°	2016	2012	2023
10°	2013	2011	2022
15°	2007	2006	2016
20°	1997	1997	2008
25°	1983	1981	1991
30°	1958	1961	1971
35°	1921	1928	1944
40°	1861	1883	1907
45°	1803	1818	1853
50°	1724	1742	1777
55°	1624	1650	1669
60°	1473	1504	1542
65°	1308	1323	1375
70°	1169	1146	1174
75°	1055	994	974
80°	959	890	790
85°	812	738	636

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 1853 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	71.0	3.6
10°-20°	203.6	10.3
20°-30°	308.0	15.6
30°-40°	367.1	18.6
40°-50°	369.2	18.7
50°-60°	313.3	15.9
60°-70°	208.6	10.6
70°-80°	104.2	5.3
80°-90°	27.9	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°	582.6	29.5
0°-40°	949.7	48.1
0°-60°	1632.2	82.7
0°-90°	1972.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1972.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	748	748	748	748	748	
5°	746	746	745	748	749	71
15°	720	721	720	723	724	203
25°	668	668	667	670	671	307
35°	585	585	587	591	592	365
45°	474	475	478	484	487	365
55°	346	348	352	355	356	308
65°	205	207	208	211	216	206
75°	102	100	96	93	94	109
85°	26	26	24	22	21	30
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	748.4	748.4	748.4	748.4	748.4
2.5°	747.8	748.4	746.4	750.0	750.9
5°	746.2	746.4	744.8	748.1	748.9
7.5°	742.6	742.9	741.2	744.8	745.3
10°	736.7	737.3	735.9	739.3	740.1
12.5°	729.3	730.1	728.7	732.3	732.9
15°	720.4	721.2	720.1	723.1	723.7
17.5°	709.5	710.1	709.5	712.3	714.0
20°	697.3	697.3	697.3	699.9	701.3
22.5°	682.1	683.5	682.9	686.3	687.7
25°	668.0	668.0	667.1	670.2	670.7
27.5°	648.3	650.5	650.3	653.0	653.6
30°	630.2	630.8	631.1	633.1	634.2
32.5°	608.4	608.9	609.8	612.5	612.8
35°	584.8	585.4	587.0	591.1	591.7
37.5°	557.4	560.4	561.8	566.3	566.8
40°	529.9	531.8	536.0	540.7	542.9
42.5°	501.9	504.1	506.6	513.0	515.0
45°	473.9	474.7	477.8	484.1	487.0
47.5°	442.8	445.3	448.1	453.6	455.3
50°	411.8	414.5	416.2	421.2	424.5
52.5°	380.5	383.0	384.9	387.9	391.2
55°	346.1	348.5	351.6	355.0	355.8
57.5°	311.1	313.9	315.9	319.4	323.0
60°	273.7	276.8	279.5	282.8	286.5
62.5°	238.8	240.1	242.9	248.5	253.7
65°	205.4	207.2	207.7	210.8	216.0
67.5°	177.7	177.7	175.2	176.3	182.2
70°	148.6	147.5	145.6	144.5	149.2
72.5°	125.0	123.6	119.5	117.6	120.1
75°	101.5	100.1	95.6	93.4	93.7
77.5°	81.5	79.3	75.7	71.8	71.0
80°	61.9	61.0	57.4	53.8	51.0
82.5°	43.8	41.9	39.9	37.7	35.5
85°	26.3	25.8	23.9	22.5	20.6
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)