

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: P1050076

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

Issue Date: 7/11/2025

Test Information

Test Method: LM-79-2019
Report Number: P1050076
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-L835-UNV-STD-W
Description: 2000 LUMEN 1X4 PERCEIVE PT TROFFER WITH 3500K, 80 CRI LEDS AND FROSTED LENS

Light Source:
Ballast/Driver: -

Summary

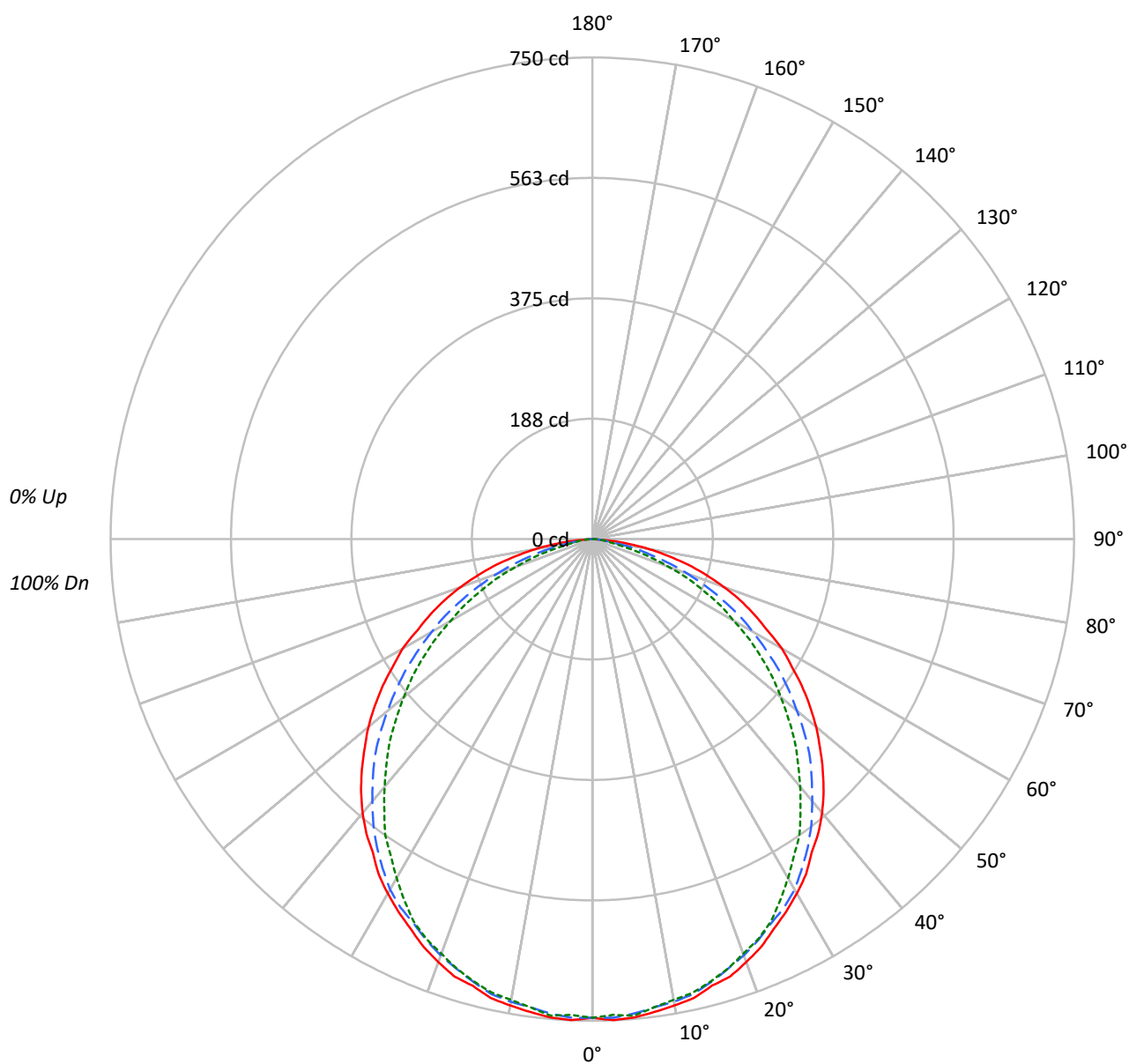
Lumens per Lamp: N/A
Luminaire Lumens: 1984.9 lumens
Efficiency: N/A
Efficacy: 124.1 lumens/watt
Spacing Criteria (0/90/45): 1.27 / 1.21 / 1.35
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

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

TEST NUMBER: P1050076

CATALOG NUMBER: PTR-14-20-L835-UNV-STD-W

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°	2005	2005	2005
5°	2020	2003	2012
10°	2014	1999	1990
15°	2006	1989	1986
20°	2007	1975	1967
25°	1987	1958	1952
30°	1979	1957	1893
35°	1957	1921	1847
40°	1955	1871	1768
45°	1931	1823	1697
50°	1904	1741	1605
55°	1868	1659	1507
60°	1834	1553	1369
65°	1772	1424	1224
70°	1714	1240	998
75°	1611	978	687
80°	1396	592	412
85°	932	426	398

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 1931 cd/sqm

TEST NUMBER: P1050076

CATALOG NUMBER: PTR-14-20-L835-UNV-STD-W

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	70.6	3.6
10°-20°	202.1	10.2
20°-30°	305.3	15.4
30°-40°	363.0	18.3
40°-50°	368.1	18.5
50°-60°	319.7	16.1
60°-70°	226.9	11.4
70°-80°	108.5	5.5
80°-90°	20.6	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°	578.1	29.1
0°-40°	941.1	47.4
0°-60°	1628.9	82.1
0°-90°	1984.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1984.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	745	745	745	745	745	
5°	748	745	742	743	745	71
15°	720	722	714	713	713	204
25°	669	668	660	662	657	309
35°	596	595	585	565	562	374
45°	507	503	479	454	446	391
55°	398	386	354	333	321	356
65°	278	257	224	200	192	276
75°	155	126	94	75	66	162
85°	30	16	14	13	13	38
90°	0	0	0	0	0	

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CATALOG NUMBER: PTR-14-20-L835-UNV-STD-W

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	745.2	745.2	745.2	745.2	745.2
2.5°	749.6	746.9	746.0	749.1	741.6
5°	747.8	745.2	741.6	743.4	744.7
7.5°	742.5	740.3	735.4	739.4	735.4
10°	737.2	734.9	731.4	732.7	728.3
12.5°	731.8	726.5	725.6	726.5	723.4
15°	719.9	721.6	714.1	713.2	712.8
17.5°	714.1	709.6	701.7	702.1	701.2
20°	700.8	695.4	689.7	688.8	687.0
22.5°	687.0	680.8	675.5	678.1	674.1
25°	669.3	668.4	659.5	662.2	657.3
27.5°	653.7	650.6	646.6	640.9	633.8
30°	636.9	633.8	629.8	614.7	609.3
32.5°	619.1	615.6	607.6	589.8	584.1
35°	595.6	594.7	584.9	565.0	562.3
37.5°	577.8	568.1	560.1	539.7	532.1
40°	556.5	551.2	532.6	513.0	503.3
42.5°	533.0	526.8	505.5	484.6	474.0
45°	507.3	502.8	478.9	453.6	446.0
47.5°	480.6	476.6	448.2	423.8	414.1
50°	454.9	450.0	415.8	392.3	383.4
52.5°	426.9	419.0	385.2	362.1	353.7
55°	398.1	386.1	353.7	332.9	321.3
57.5°	367.5	356.4	320.4	298.7	289.4
60°	340.8	325.3	288.5	266.3	254.3
62.5°	306.7	293.4	258.3	232.1	226.3
65°	278.3	257.4	223.7	199.7	192.2
67.5°	249.4	225.0	190.8	166.4	162.4
70°	217.9	192.6	157.6	133.6	126.9
72.5°	186.0	161.1	126.9	101.6	97.6
75°	154.9	126.5	94.1	74.6	66.1
77.5°	121.2	95.4	66.1	45.7	40.4
80°	90.1	64.4	38.2	27.1	26.6
82.5°	59.0	37.3	20.4	20.9	20.0
85°	30.2	16.0	13.8	13.3	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)