

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: P1050137

Luminaire Tested: PTR-14-20-PB1-L935-UNV-STD-W

Issue Date: 7/11/2025

Test Information

Test Method: LM-79-2019
Report Number: P1050137
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P737703)
Test Lab: INNOVATION CENTER
Issue Date: 7/11/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: PTR-14-20-PB1-L935-UNV-STD-W
Description: 2000 LUMEN 1X4 PERCEIVE PT TROFFER WITH 3500K, 90 CRI LEDS AND BEVEL LENS

Light Source:
Ballast/Driver: -

Summary

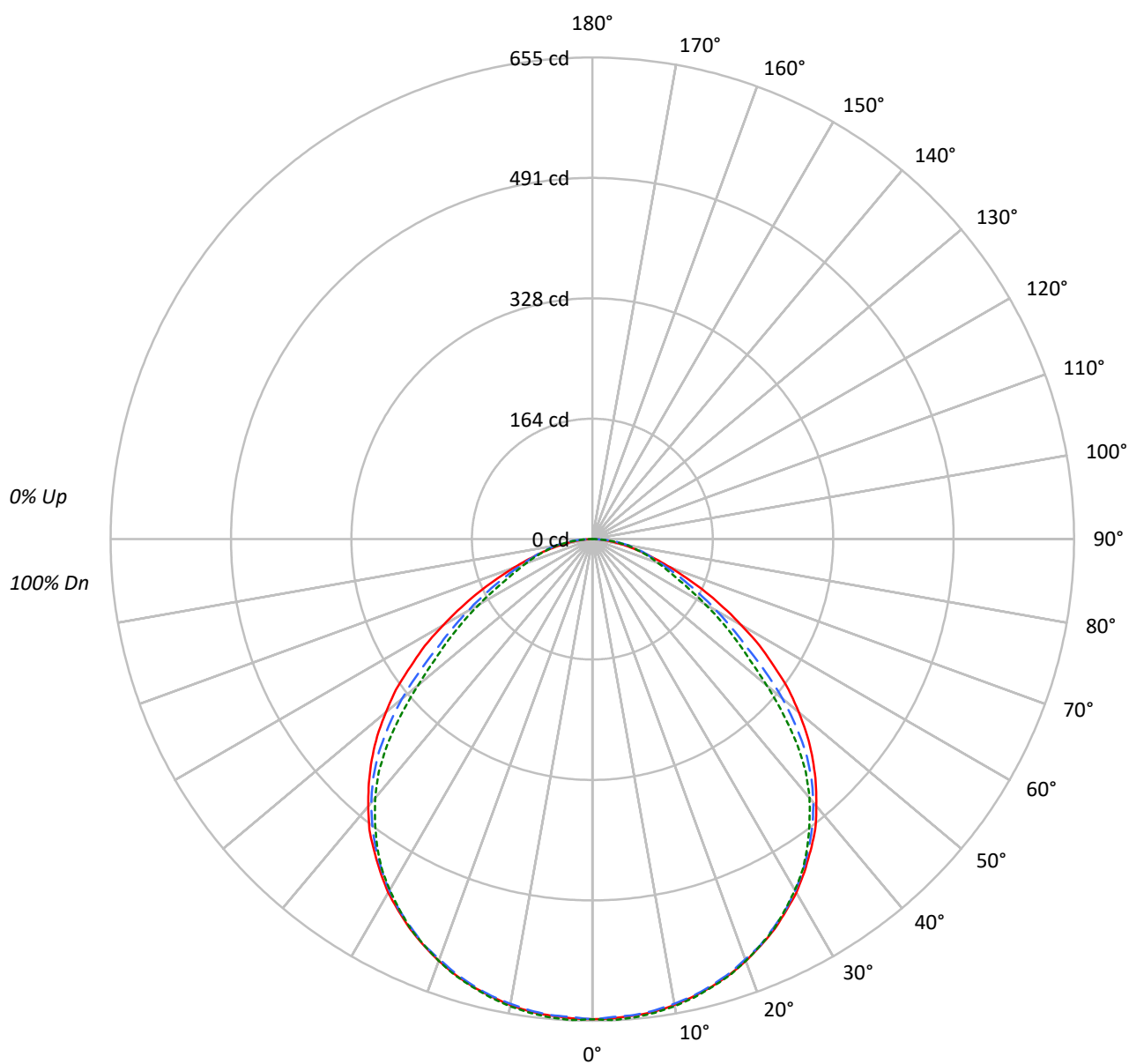
Lumens per Lamp: N/A
Luminaire Lumens: 1628.2 lumens
Efficiency: N/A
Efficacy: 101.8 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.25 / 1.34
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

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

TEST NUMBER: P1050137

CATALOG NUMBER: PTR-14-20-PB1-L935-UNV-STD-W

Luminous Intensity Polar Plot



TEST NUMBER: P1050137

CATALOG NUMBER: PTR-14-20-PB1-L935-UNV-STD-W

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	110	105	101	98	107	103	99	96	99	96	93	95	93	90	91	89	88	88	88	86
2	100	93	86	81	98	91	85	80	87	83	78	84	80	77	81	78	75	75	75	73
3	92	82	75	69	90	81	74	68	78	72	67	75	70	66	73	68	64	64	64	62
4	85	73	65	59	83	72	64	58	70	63	58	67	62	57	65	60	56	56	56	54
5	78	66	57	51	76	65	57	51	63	56	50	61	55	50	59	54	49	49	49	47
6	72	60	51	45	71	59	51	45	57	50	44	55	49	44	54	48	44	44	44	42
7	67	54	46	40	66	53	45	40	52	45	39	51	44	39	49	43	39	39	39	37
8	63	50	41	36	61	49	41	36	48	41	35	46	40	35	45	39	35	35	35	33
9	59	46	38	32	57	45	37	32	44	37	32	43	36	32	42	36	32	32	32	30
10	55	42	34	29	54	42	34	29	41	34	29	40	33	29	39	33	29	29	29	27

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1757	1757	1757
5°	1757	1755	1764
10°	1758	1753	1762
15°	1754	1750	1756
20°	1748	1741	1748
25°	1738	1731	1736
30°	1725	1715	1712
35°	1699	1686	1675
40°	1665	1642	1614
45°	1614	1562	1498
50°	1533	1415	1294
55°	1413	1202	1115
60°	1258	1051	955
65°	1079	911	813
70°	891	803	746
75°	752	768	727
80°	635	784	747
85°	497	794	695

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 1614 cd/sqm

TEST NUMBER: P1050137

CATALOG NUMBER: PTR-14-20-PB1-L935-UNV-STD-W

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	61.9	3.8
10°-20°	177.6	10.9
20°-30°	269.1	16.5
30°-40°	320.7	19.7
40°-50°	313.6	19.3
50°-60°	237.2	14.6
60°-70°	145.7	8.9
70°-80°	77.6	4.8
80°-90°	24.8	1.5
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°	508.7	31.2
0°-40°	829.3	50.9
0°-60°	1380.0	84.8
0°-90°	1628.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1628.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	653	653	653	653	653	
5°	650	651	650	652	653	62
15°	630	630	628	630	630	178
25°	586	585	583	584	585	270
35°	517	516	513	511	510	324
45°	424	422	410	397	394	326
55°	301	286	256	242	238	270
65°	170	156	143	132	128	169
75°	72	73	74	72	70	77
85°	16	21	26	24	22	19
90°	0	0	0	0	0	

TEST NUMBER: P1050137

CATALOG NUMBER: PTR-14-20-PB1-L935-UNV-STD-W

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	652.9	652.9	652.9	652.9	652.9
2.5°	652.2	652.9	650.5	653.8	654.6
5°	650.5	651.3	649.7	652.2	652.9
7.5°	648.1	648.1	646.5	648.9	649.7
10°	643.3	643.3	641.7	644.1	644.9
12.5°	636.9	636.9	636.1	637.7	638.5
15°	629.7	630.4	628.1	630.4	630.4
17.5°	620.8	620.1	619.2	620.8	621.7
20°	610.4	610.4	608.0	609.6	610.4
22.5°	598.3	598.3	597.6	598.3	597.6
25°	585.5	584.7	583.1	583.9	584.7
27.5°	570.2	570.2	568.6	568.6	567.8
30°	555.0	554.1	551.8	550.2	550.9
32.5°	536.5	535.7	533.3	531.7	532.5
35°	517.2	516.4	513.2	510.8	510.0
37.5°	498.0	495.5	491.5	488.3	485.1
40°	473.9	471.4	467.5	460.2	459.4
42.5°	449.7	447.4	440.9	432.1	429.7
45°	424.0	421.7	410.4	396.7	393.5
47.5°	396.7	392.7	375.0	358.2	351.8
50°	366.3	359.0	338.1	316.4	309.2
52.5°	336.5	323.7	296.4	277.1	269.9
55°	301.2	285.9	256.2	241.7	237.7
57.5°	269.9	249.0	224.9	210.5	207.3
60°	233.7	214.4	195.2	182.3	177.5
62.5°	200.8	183.9	167.9	156.6	151.0
65°	169.5	155.8	143.0	131.7	127.7
67.5°	139.0	131.7	121.2	112.5	110.0
70°	113.2	109.2	102.0	98.0	94.8
72.5°	90.0	91.6	86.8	85.2	82.7
75°	72.3	73.1	73.9	71.5	69.9
77.5°	54.6	58.6	61.8	60.2	58.6
80°	41.0	44.9	50.6	48.2	48.2
82.5°	28.1	33.0	37.8	36.2	35.3
85°	16.1	20.9	25.7	24.1	22.5
87.5°	6.4	10.5	11.2	11.2	10.5
90°	0.0	0.0	0.0	0.0	0.0



— 0°-180° - - 45°-225° 90°-270°

(END OF REPORT)