

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: P1050281

Luminaire Tested: PTR-14-20-PLG-L930-UNV-STD-W

Issue Date: 7/11/2025

Test Information

Test Method: LM-79-2019
Report Number: P1050281
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2409-224-3)
Test Lab: INNOVATION CENTER
Issue Date: 7/11/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: PTR-14-20-PLG-L930-UNV-STD-W
Description: 2000 LUMEN 1X4 PERCEIVE PT TROFFER WITH 3000K, 90 CRI LEDS AND LOW GLARE LENS

Light Source:
Ballast/Driver: -

Summary

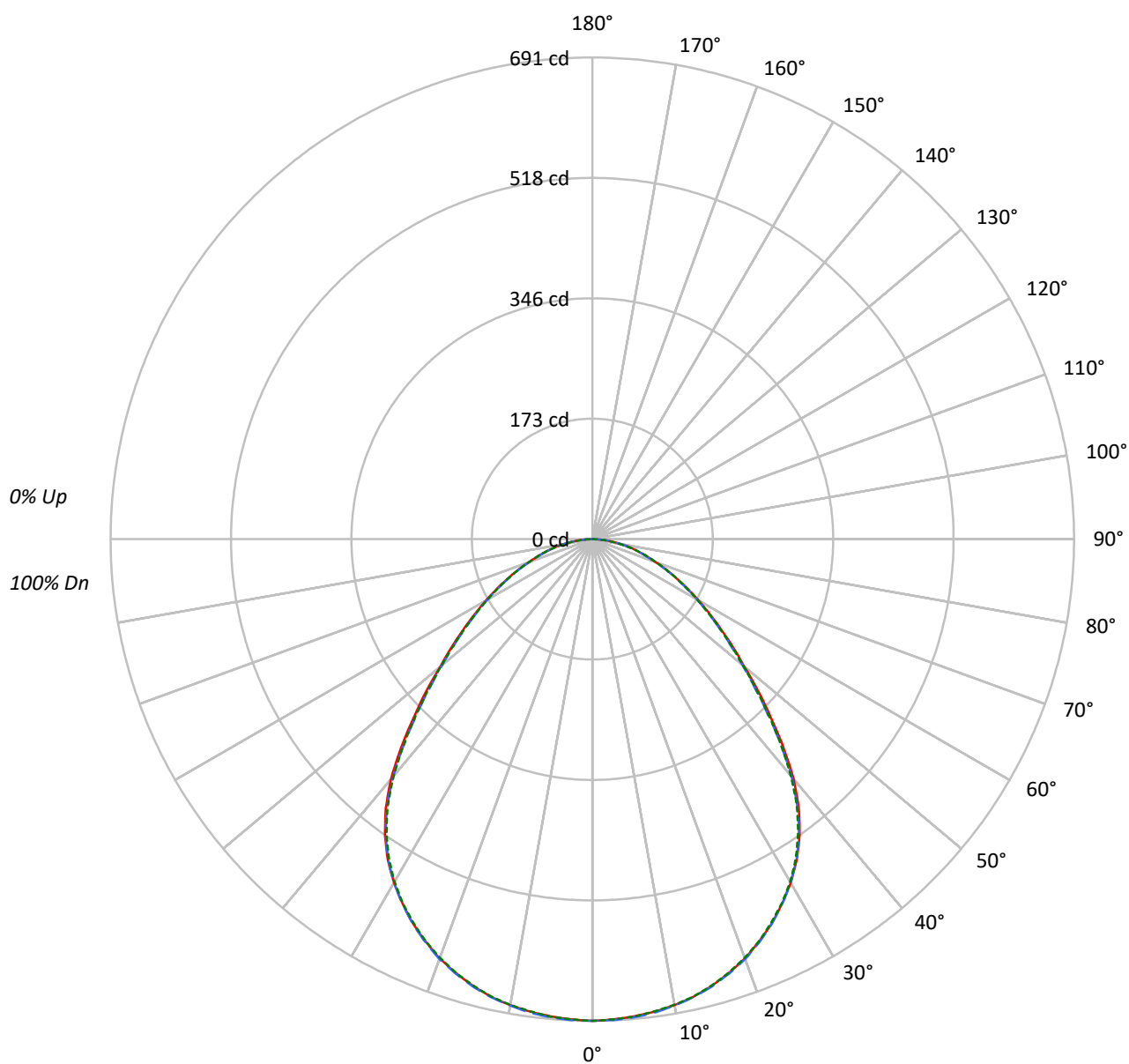
Lumens per Lamp: N/A
Luminaire Lumens: 1557.2 lumens
Efficiency: N/A
Efficacy: 97.3 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.22 / 1.26
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

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: P1050281

CATALOG NUMBER: PTR-14-20-PLG-L930-UNV-STD-W

Luminous Intensity Polar Plot



TEST NUMBER: P1050281

CATALOG NUMBER: PTR-14-20-PLG-L930-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	100		
1	110	106	102	98	107	103	100	97	99	96	94	95	93	91	92	90	88	86		
2	101	94	87	82	99	92	86	81	88	84	79	85	81	78	82	79	76	74		
3	93	83	76	70	91	82	75	69	79	73	68	76	71	67	74	69	66	64		
4	86	75	67	60	84	73	66	60	71	64	59	69	63	58	67	62	58	56		
5	79	67	59	53	77	66	58	53	64	57	52	62	56	51	61	55	51	49		
6	74	61	53	47	72	60	52	47	58	51	46	57	51	46	55	50	45	43		
7	69	56	48	42	67	55	47	42	54	46	41	52	46	41	51	45	41	39		
8	64	51	43	38	62	51	43	38	49	42	37	48	42	37	47	41	37	35		
9	60	47	39	34	59	47	39	34	46	39	34	44	38	34	43	38	34	32		
10	56	44	36	31	55	43	36	31	42	36	31	41	35	31	40	35	31	29		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1860	1860	1860
5°	1856	1860	1858
10°	1855	1856	1853
15°	1847	1850	1846
20°	1833	1836	1830
25°	1807	1809	1803
30°	1768	1768	1763
35°	1703	1698	1690
40°	1578	1561	1556
45°	1380	1357	1363
50°	1191	1176	1183
55°	1058	1042	1045
60°	948	934	934
65°	849	843	846
70°	764	756	764
75°	709	699	709
80°	662	654	631
85°	559	559	500

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 1380 cd/sqm

TEST NUMBER: P1050281

CATALOG NUMBER: PTR-14-20-PLG-L930-UNV-STD-W

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	65.4	4.2
10°-20°	187.2	12.0
20°-30°	280.1	18.0
30°-40°	321.0	20.6
40°-50°	277.6	17.8
50°-60°	200.9	12.9
60°-70°	132.3	8.5
70°-80°	72.0	4.6
80°-90°	20.6	1.3
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°	532.8	34.2
0°-40°	853.7	54.8
0°-60°	1332.2	85.6
0°-90°	1557.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1557.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	691	691	691	691	691	
5°	687	689	689	689	688	65
15°	663	664	664	665	663	187
25°	609	609	609	610	607	280
35°	518	518	517	516	514	322
45°	362	362	357	356	358	281
55°	226	225	222	221	223	203
65°	133	134	132	131	133	133
75°	68	68	67	67	68	73
85°	18	18	18	19	16	21
90°	0	0	0	0	0	

TEST NUMBER: P1050281

CATALOG NUMBER: PTR-14-20-PLG-L930-UNV-STD-W

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	691.1	691.1	691.1	691.1	691.1
2.5°	689.6	691.1	690.6	691.1	689.6
5°	687.2	688.6	688.6	688.6	687.7
7.5°	683.7	684.7	685.2	685.7	683.2
10°	678.8	679.8	679.3	680.3	678.3
12.5°	672.4	672.4	672.9	673.9	672.0
15°	663.1	663.6	664.1	665.1	662.6
17.5°	652.3	652.8	653.3	653.8	651.8
20°	640.1	640.1	641.1	641.5	639.1
22.5°	624.9	624.9	625.9	627.3	624.4
25°	608.7	608.7	609.2	609.7	607.2
27.5°	589.6	589.6	590.0	591.5	588.6
30°	569.0	568.5	569.0	569.4	567.5
32.5°	545.9	545.4	544.9	545.4	543.0
35°	518.4	517.9	517.0	516.5	514.5
37.5°	486.6	485.6	483.6	483.6	481.7
40°	449.3	446.8	444.4	443.4	442.9
42.5°	406.1	404.2	400.7	400.2	400.2
45°	362.5	361.5	356.6	356.1	358.1
47.5°	323.2	320.8	316.4	315.4	318.3
50°	284.5	285.0	281.0	279.6	282.5
52.5°	254.1	253.1	249.7	248.7	251.1
55°	225.6	224.6	222.2	220.7	222.7
57.5°	199.6	199.1	196.7	196.2	197.2
60°	176.1	175.6	173.6	173.1	173.6
62.5°	154.0	154.0	152.0	151.1	152.5
65°	133.4	134.4	132.4	131.4	132.9
67.5°	114.8	115.8	113.8	112.8	114.8
70°	97.1	98.1	96.1	95.2	97.1
72.5°	81.9	82.4	80.9	80.4	82.9
75°	68.2	68.2	67.2	67.2	68.2
77.5°	55.4	54.9	54.4	54.4	53.5
80°	42.7	42.2	42.2	42.2	40.7
82.5°	30.4	29.4	29.9	30.4	28.0
85°	18.1	18.1	18.1	18.6	16.2
87.5°	7.4	7.4	6.9	7.4	6.4
90°	0.0	0.0	0.0	0.0	0.0



— 0°-180° - - 45°-225° 90°-270°

(END OF REPORT)