

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: P1050140

Luminaire Tested: PTR-14-20-PB1-L940-UNV-STD-W

Issue Date: 7/11/2025

Test Information

Test Method: LM-79-2019
Report Number: P1050140
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-L940-UNV-STD-W
Description: 2000 LUMEN 1X4 PERCEIVE PT TROFFER WITH 4000K, 90 CRI LEDS AND BEVEL LENS

Light Source:
Ballast/Driver: -

Summary

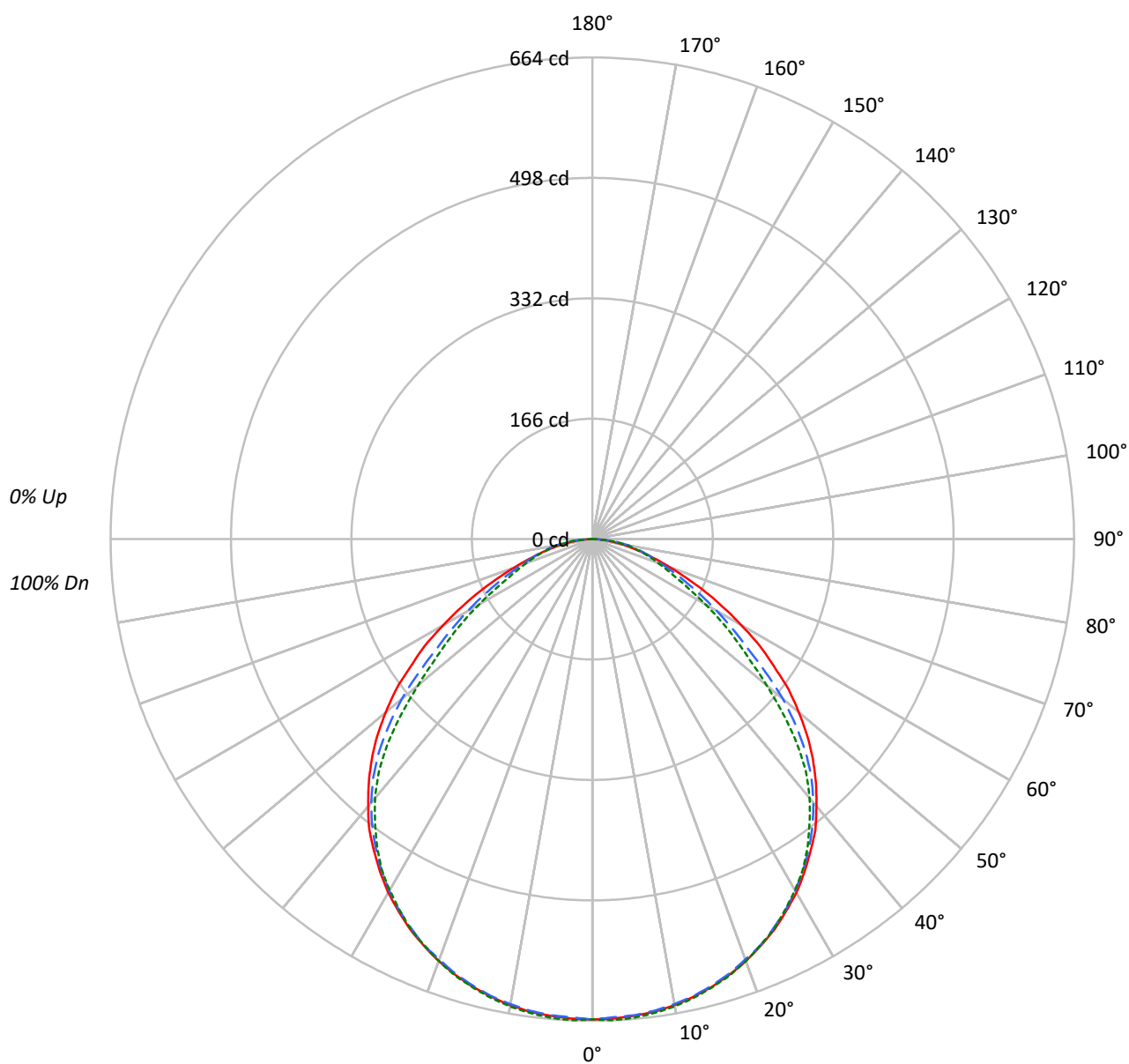
Lumens per Lamp: N/A
Luminaire Lumens: 1651.2 lumens
Efficiency: N/A
Efficacy: 103.2 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.25 / 1.34
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

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: P1050140

CATALOG NUMBER: PTR-14-20-PB1-L940-UNV-STD-W

Luminous Intensity Polar Plot



TEST NUMBER: P1050140

CATALOG NUMBER: PTR-14-20-PB1-L940-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	105	101	98	107	103	99	96	99	96	93	95	93	90	91	89	88	86		
2	100	93	86	81	98	91	85	80	87	83	78	84	80	77	81	78	75	73		
3	92	82	75	69	90	81	74	68	78	72	67	75	70	66	73	68	64	62		
4	85	73	65	59	83	72	64	58	70	63	58	67	62	57	65	60	56	54		
5	78	66	57	51	76	65	57	51	63	56	50	61	55	50	59	54	49	47		
6	72	60	51	45	71	59	51	45	57	50	44	55	49	44	54	48	44	42		
7	67	54	46	40	66	53	45	40	52	45	39	51	44	39	49	43	39	37		
8	63	50	41	36	61	49	41	36	48	41	35	46	40	35	45	39	35	33		
9	59	46	38	32	57	45	37	32	44	37	32	43	36	32	42	36	32	30		
10	55	42	34	29	54	42	34	29	41	34	29	40	33	29	39	33	29	27		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1782	1782	1782
5°	1782	1780	1789
10°	1783	1778	1787
15°	1779	1775	1781
20°	1773	1766	1773
25°	1763	1756	1760
30°	1749	1739	1736
35°	1723	1710	1699
40°	1688	1665	1637
45°	1636	1584	1519
50°	1555	1436	1313
55°	1433	1219	1131
60°	1276	1066	969
65°	1095	923	825
70°	903	814	756
75°	762	779	737
80°	645	795	758
85°	503	806	704

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 1636 cd/sqm

TEST NUMBER: P1050140

CATALOG NUMBER: PTR-14-20-PB1-L940-UNV-STD-W

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	62.8	3.8
10°-20°	180.2	10.9
20°-30°	272.9	16.5
30°-40°	325.2	19.7
40°-50°	318.0	19.3
50°-60°	240.5	14.6
60°-70°	147.8	9.0
70°-80°	78.7	4.8
80°-90°	25.1	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°	515.9	31.2
0°-40°	841.0	50.9
0°-60°	1399.6	84.8
0°-90°	1651.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1651.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	662	662	662	662	662	
5°	660	661	659	661	662	63
15°	639	639	637	639	639	180
25°	594	593	591	592	593	273
35°	524	524	520	518	517	328
45°	430	428	416	402	399	331
55°	305	290	260	245	241	274
65°	172	158	145	134	130	171
75°	73	74	75	72	71	79
85°	16	21	26	24	23	20
90°	0	0	0	0	0	

TEST NUMBER: P1050140

CATALOG NUMBER: PTR-14-20-PB1-L940-UNV-STD-W

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	662.2	662.2	662.2	662.2	662.2
2.5°	661.4	662.2	659.7	663.0	663.8
5°	659.7	660.6	658.9	661.4	662.2
7.5°	657.3	657.3	655.7	658.1	658.9
10°	652.4	652.4	650.8	653.2	654.1
12.5°	645.9	645.9	645.1	646.7	647.6
15°	638.6	639.4	637.0	639.4	639.4
17.5°	629.6	628.8	628.0	629.6	630.5
20°	619.0	619.0	616.6	618.2	619.0
22.5°	606.8	606.8	606.0	606.8	606.0
25°	593.8	592.9	591.3	592.2	592.9
27.5°	578.3	578.3	576.7	576.7	575.8
30°	562.8	562.0	559.6	558.0	558.7
32.5°	544.1	543.2	540.9	539.2	540.0
35°	524.5	523.7	520.5	518.0	517.2
37.5°	505.0	502.5	498.4	495.2	491.9
40°	480.6	478.1	474.1	466.7	465.9
42.5°	456.1	453.7	447.1	438.2	435.8
45°	430.0	427.6	416.2	402.3	399.1
47.5°	402.3	398.3	380.3	363.2	356.7
50°	371.5	364.1	342.9	320.9	313.6
52.5°	341.3	328.3	300.6	281.0	273.7
55°	305.4	290.0	259.9	245.2	241.1
57.5°	273.7	252.5	228.1	213.4	210.2
60°	237.0	217.5	198.0	184.9	180.0
62.5°	203.6	186.5	170.3	158.8	153.1
65°	171.9	158.0	145.0	133.6	129.5
67.5°	140.9	133.6	123.0	114.1	111.6
70°	114.8	110.7	103.5	99.4	96.1
72.5°	91.2	92.9	88.0	86.4	83.9
75°	73.3	74.1	74.9	72.5	70.9
77.5°	55.4	59.4	62.7	61.1	59.4
80°	41.6	45.6	51.3	48.9	48.9
82.5°	28.5	33.4	38.3	36.7	35.8
85°	16.3	21.2	26.1	24.5	22.8
87.5°	6.5	10.6	11.4	11.4	10.6
90°	0.0	0.0	0.0	0.0	0.0



— 0°-180° - - 45°-225° 90°-270°

(END OF REPORT)