

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: P1050142

Luminaire Tested: PTR-14-70-PB1-L940-UNV-STD-W

Issue Date: 7/11/2025

Test Information

Test Method: LM-79-2019
Report Number: P1050142
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-14-70-PB1-L940-UNV-STD-W
Description: 7000 LUMEN 1X4 PERCEIVE PT TROFFER WITH 4000K, 90 CRI LEDS AND BEVEL LENS

Light Source:
Ballast/Driver: -

Summary

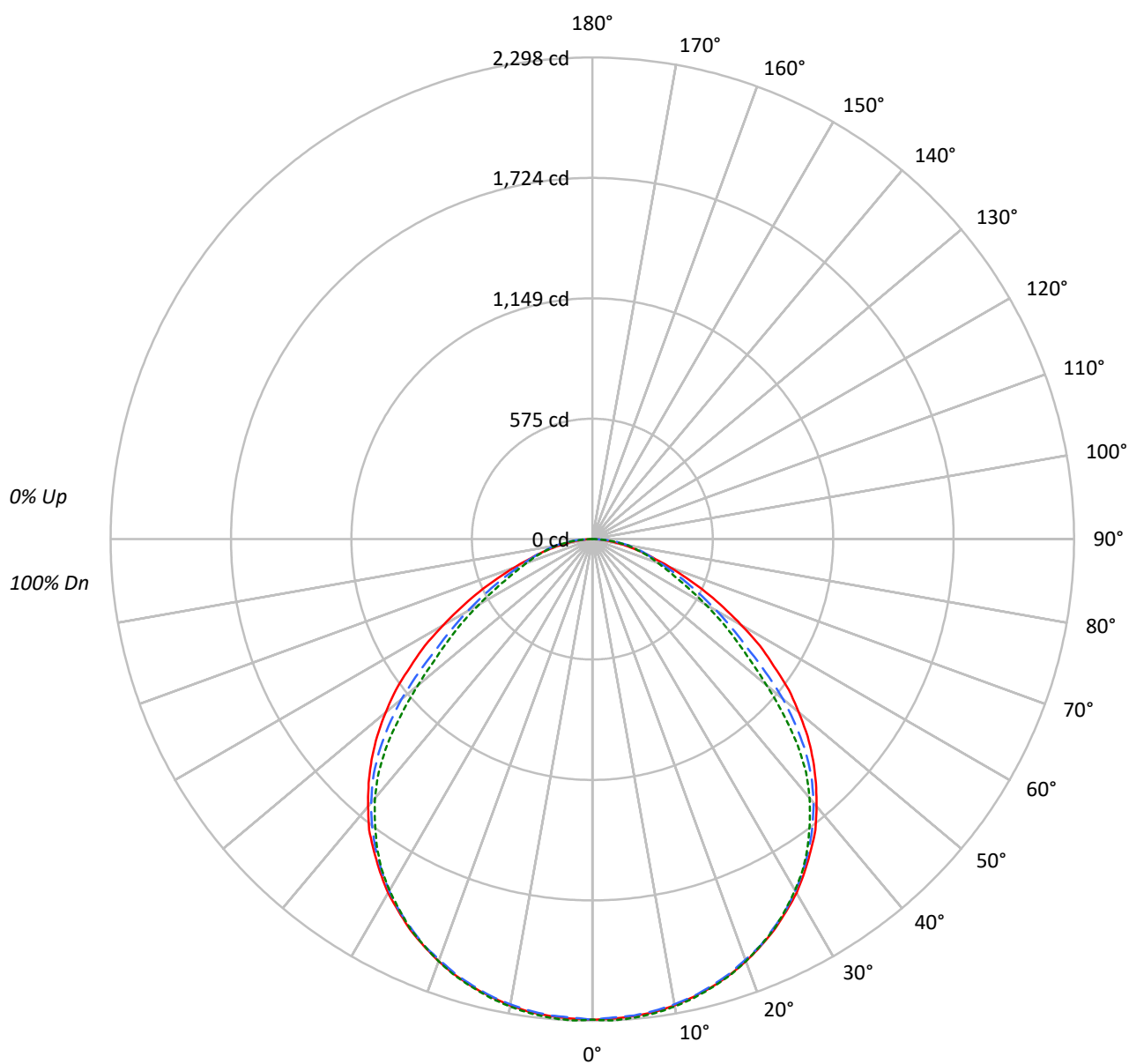
Lumens per Lamp: N/A
Luminaire Lumens: 5716.8 lumens
Efficiency: N/A
Efficacy: 90.7 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.25 / 1.34
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 63
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: P1050142

CATALOG NUMBER: PTR-14-70-PB1-L940-UNV-STD-W

Luminous Intensity Polar Plot



TEST NUMBER: P1050142

CATALOG NUMBER: PTR-14-70-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°	6169	6169	6169
5°	6170	6163	6193
10°	6172	6157	6188
15°	6159	6144	6167
20°	6137	6113	6137
25°	6104	6078	6095
30°	6055	6020	6011
35°	5966	5920	5883
40°	5845	5766	5666
45°	5666	5484	5258
50°	5384	4970	4545
55°	4961	4221	3916
60°	4417	3689	3354
65°	3789	3197	2856
70°	3128	2818	2618
75°	2638	2696	2551
80°	2230	2752	2624
85°	1744	2788	2439

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 5666 cd/sqm

TEST NUMBER: P1050142

CATALOG NUMBER: PTR-14-70-PB1-L940-UNV-STD-W

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	217.4	3.8
10°-20°	623.8	10.9
20°-30°	944.9	16.5
30°-40°	1125.9	19.7
40°-50°	1101.0	19.3
50°-60°	832.8	14.6
60°-70°	511.6	8.9
70°-80°	272.6	4.8
80°-90°	87.0	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°	1786.0	31.2
0°-40°	2911.9	50.9
0°-60°	4845.6	84.8
0°-90°	5716.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5716.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2293	2293	2293	2293	2293	
5°	2284	2287	2281	2290	2293	217
15°	2211	2214	2205	2214	2214	624
25°	2056	2053	2047	2050	2053	947
35°	1816	1813	1802	1794	1791	1136
45°	1489	1481	1441	1393	1382	1145
55°	1058	1004	900	849	835	947
65°	595	547	502	462	448	592
75°	254	257	259	251	245	272
85°	56	73	90	85	79	68
90°	0	0	0	0	0	

TEST NUMBER: P1050142

CATALOG NUMBER: PTR-14-70-PB1-L940-UNV-STD-W

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2292.6	2292.6	2292.6	2292.6	2292.6
2.5°	2290.0	2292.6	2284.1	2295.6	2298.3
5°	2284.1	2287.0	2281.4	2290.0	2292.6
7.5°	2275.8	2275.8	2270.1	2278.4	2281.4
10°	2258.9	2258.9	2253.3	2261.6	2264.5
12.5°	2236.4	2236.4	2233.4	2239.1	2242.0
15°	2210.9	2213.6	2205.3	2213.6	2213.6
17.5°	2179.8	2177.2	2174.2	2179.8	2182.8
20°	2143.1	2143.1	2134.8	2140.5	2143.1
22.5°	2100.8	2100.8	2098.1	2100.8	2098.1
25°	2055.8	2052.8	2047.2	2050.2	2052.8
27.5°	2002.2	2002.2	1996.6	1996.6	1993.6
30°	1948.6	1945.7	1937.4	1931.7	1934.4
32.5°	1883.8	1880.8	1872.5	1866.9	1869.6
35°	1816.0	1813.3	1802.1	1793.5	1790.8
37.5°	1748.5	1739.9	1725.7	1714.4	1703.2
40°	1663.8	1655.2	1641.3	1615.9	1612.9
42.5°	1579.1	1570.9	1548.1	1517.3	1508.7
45°	1488.9	1480.6	1440.9	1392.9	1381.7
47.5°	1392.9	1379.0	1316.8	1257.6	1235.1
50°	1286.1	1260.6	1187.2	1111.1	1085.6
52.5°	1181.5	1136.5	1040.6	972.8	947.7
55°	1057.5	1003.9	899.7	848.8	834.6
57.5°	947.7	874.2	789.6	738.9	727.7
60°	820.7	752.9	685.4	640.1	623.2
62.5°	704.9	645.7	589.4	549.8	530.2
65°	595.1	547.1	502.1	462.4	448.5
67.5°	487.9	462.4	425.7	394.9	386.3
70°	397.6	383.4	358.2	344.0	332.8
72.5°	315.9	321.5	304.6	299.0	290.4
75°	253.7	256.7	259.3	251.1	245.4
77.5°	191.8	205.8	217.0	211.4	205.8
80°	143.9	157.8	177.6	169.3	169.3
82.5°	98.6	115.8	132.6	127.0	124.0
85°	56.5	73.4	90.3	84.7	79.0
87.5°	22.5	36.7	39.4	39.4	36.7
90°	0.0	0.0	0.0	0.0	0.0



— 0°-180° - - 45°-225° 90°-270°

(END OF REPORT)