

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: P1050219

Luminaire Tested: PTR-14-60-PC3-L940-UNV-STD-W

Issue Date: 7/11/2025

Test Information

Test Method: LM-79-2019
Report Number: P1050219
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P737711)
Test Lab: INNOVATION CENTER
Issue Date: 7/11/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: PTR-14-60-PC3-L940-UNV-STD-W
Description: 8000 LUMEN 1X4 PERCEIVE PT TROFFER WITH 4000K, 90 CRI LEDS AND PARAMID LENS

Light Source:
Ballast/Driver: -

Summary

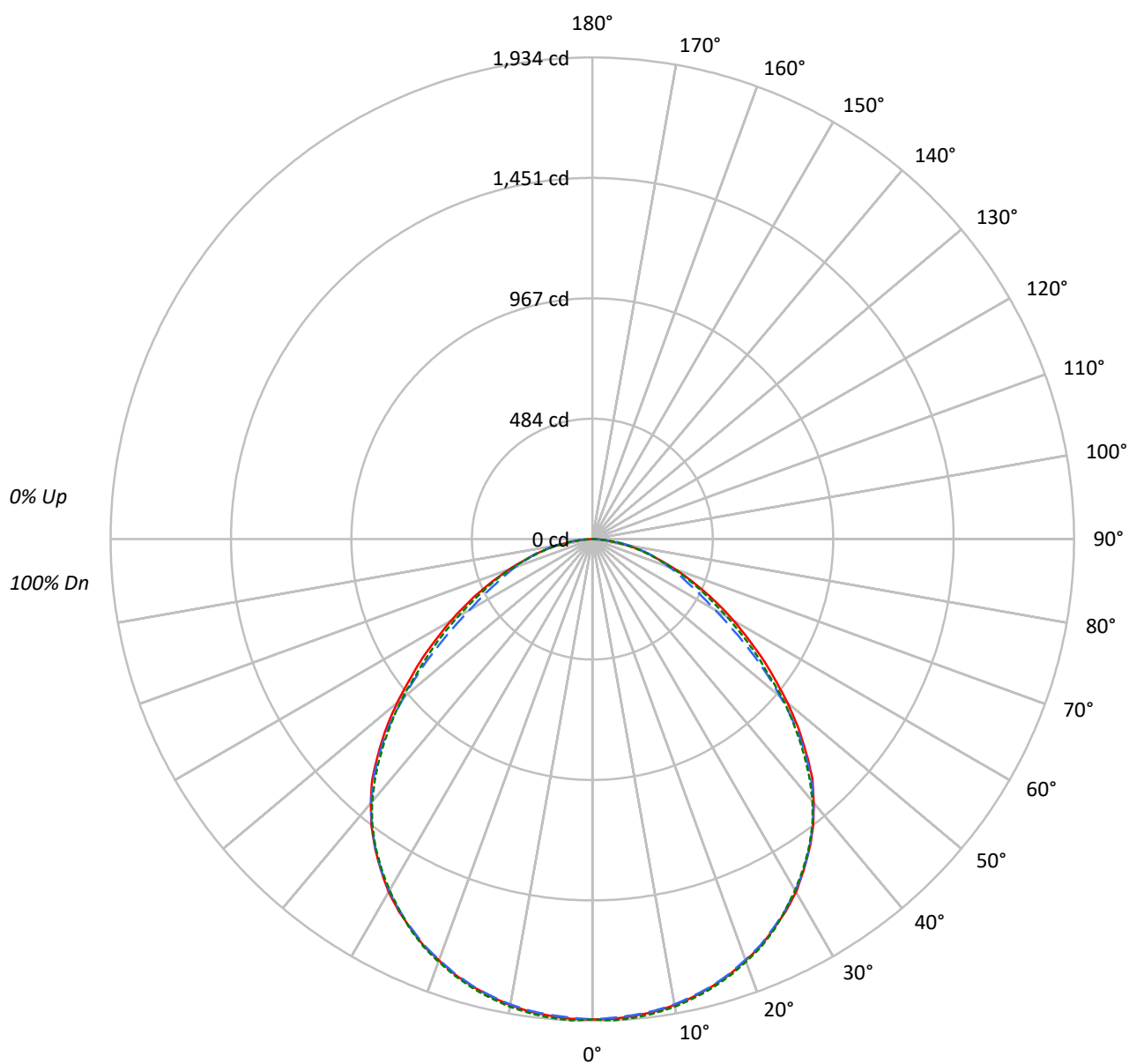
Lumens per Lamp: N/A
Luminaire Lumens: 4862.6 lumens
Efficiency: N/A
Efficacy: 97.6 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.25 / 1.34
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 49.8
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: P1050219

CATALOG NUMBER: PTR-14-60-PC3-L940-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	100		
1	110	105	101	98	107	103	99	96	99	96	93	95	92	90	91	89	87	85		
2	100	93	86	81	98	91	85	80	87	82	78	84	80	76	81	78	75	72		
3	92	82	74	68	90	80	73	68	77	71	66	75	70	65	72	68	64	62		
4	85	73	65	58	82	72	64	58	69	63	57	67	61	56	65	60	56	54		
5	78	66	57	51	76	65	56	50	62	55	50	61	54	49	59	53	49	47		
6	72	59	51	45	70	58	50	44	57	49	44	55	49	44	53	48	43	41		
7	67	54	46	40	65	53	45	39	52	44	39	50	44	39	49	43	39	37		
8	62	49	41	35	61	49	41	35	47	40	35	46	40	35	45	39	35	33		
9	58	45	37	32	57	45	37	32	44	37	32	43	36	32	42	36	31	30		
10	55	42	34	29	54	41	34	29	40	34	29	40	33	29	39	33	29	27		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	5190	5190	5190
5°	5192	5182	5212
10°	5191	5182	5210
15°	5179	5173	5197
20°	5156	5148	5170
25°	5121	5113	5133
30°	5083	5065	5057
35°	4991	4986	4977
40°	4859	4852	4829
45°	4620	4586	4539
50°	4277	4133	4179
55°	3903	3587	3748
60°	3519	3060	3356
65°	3145	2737	3018
70°	2791	2589	2714
75°	2468	2510	2418
80°	2129	2396	2117
85°	1593	1896	1593

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°

Vertical Angle: 45°

Luminance: 4631 cd/sqm

TEST NUMBER: P1050219

CATALOG NUMBER: PTR-14-60-PC3-L940-UNV-STD-W

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	182.9	3.8
10°-20°	525.1	10.8
20°-30°	795.0	16.3
30°-40°	947.8	19.5
40°-50°	926.1	19.0
50°-60°	708.2	14.6
60°-70°	454.7	9.4
70°-80°	252.9	5.2
80°-90°	69.9	1.4
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°	1503.0	30.9
0°-40°	2450.8	50.4
0°-60°	4085.1	84.0
0°-90°	4862.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4862.6	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1929	1929	1929	1929	1929	
5°	1922	1923	1918	1928	1930	183
15°	1859	1860	1857	1863	1865	525
25°	1725	1727	1722	1727	1729	795
35°	1519	1520	1518	1517	1515	949
45°	1214	1217	1205	1202	1193	934
55°	832	803	764	774	799	744
65°	494	456	430	444	474	493
75°	237	239	241	238	233	254
85°	52	61	61	59	52	63
90°	0	0	0	0	0	

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CATALOG NUMBER: PTR-14-60-PC3-L940-UNV-STD-W

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1928.7	1928.7	1928.7	1928.7	1928.7
2.5°	1927.5	1928.2	1923.2	1931.5	1934.2
5°	1921.9	1923.2	1918.4	1927.5	1929.5
7.5°	1913.7	1914.9	1910.2	1919.2	1919.9
10°	1899.9	1900.6	1896.4	1905.4	1906.7
12.5°	1881.3	1883.3	1878.6	1886.9	1887.4
15°	1859.0	1860.5	1857.0	1863.3	1865.3
17.5°	1833.0	1833.7	1830.2	1837.0	1837.7
20°	1800.4	1800.4	1797.6	1805.4	1805.4
22.5°	1767.3	1765.3	1764.5	1767.3	1771.6
25°	1724.7	1726.7	1721.9	1727.4	1728.7
27.5°	1683.3	1683.3	1679.1	1681.8	1678.3
30°	1635.7	1633.0	1630.2	1630.7	1627.4
32.5°	1578.3	1578.3	1577.1	1577.1	1572.8
35°	1519.2	1520.4	1517.7	1516.9	1514.9
37.5°	1455.5	1457.8	1452.7	1451.5	1450.0
40°	1383.1	1383.1	1381.1	1378.3	1374.8
42.5°	1307.9	1307.9	1299.1	1292.1	1287.3
45°	1214.1	1216.9	1205.1	1202.3	1192.8
47.5°	1120.9	1118.9	1103.1	1101.1	1095.6
50°	1021.6	1009.8	987.3	993.3	998.3
52.5°	922.4	907.8	874.8	881.5	889.8
55°	831.9	803.1	764.5	774.0	798.8
57.5°	737.4	698.8	660.2	678.2	709.1
60°	653.9	610.6	568.5	587.8	623.6
62.5°	574.0	527.9	494.0	512.6	542.9
65°	494.0	455.9	429.9	444.1	474.0
67.5°	420.8	395.3	377.5	384.2	408.3
70°	354.7	338.6	329.1	331.1	344.9
72.5°	291.8	287.7	284.2	284.2	285.5
75°	237.4	239.4	241.4	238.1	232.6
77.5°	187.0	193.7	198.8	191.7	185.0
80°	137.4	148.4	154.6	146.9	136.6
82.5°	93.7	106.3	108.3	103.5	91.7
85°	51.6	60.7	61.4	59.4	51.6
87.5°	19.3	22.8	24.8	22.8	20.1
90°	0.0	0.0	0.0	0.0	0.0



— 0°-180° - - 45°-225° 90°-270°

(END OF REPORT)