

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: P1050121

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

Issue Date: 7/11/2025

Test Information

Test Method: LM-79-2019
Report Number: P1050121
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2310-200-1)
Test Lab: INNOVATION CENTER
Issue Date: 7/11/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: PTR-14-60-L940-UNV-STD-W
Description: 8000 LUMEN 1X4 PERCEIVE PT TROFFER WITH 4000K, 90 CRI LEDS AND FROSTED LENS

Light Source:
Ballast/Driver: -

Summary

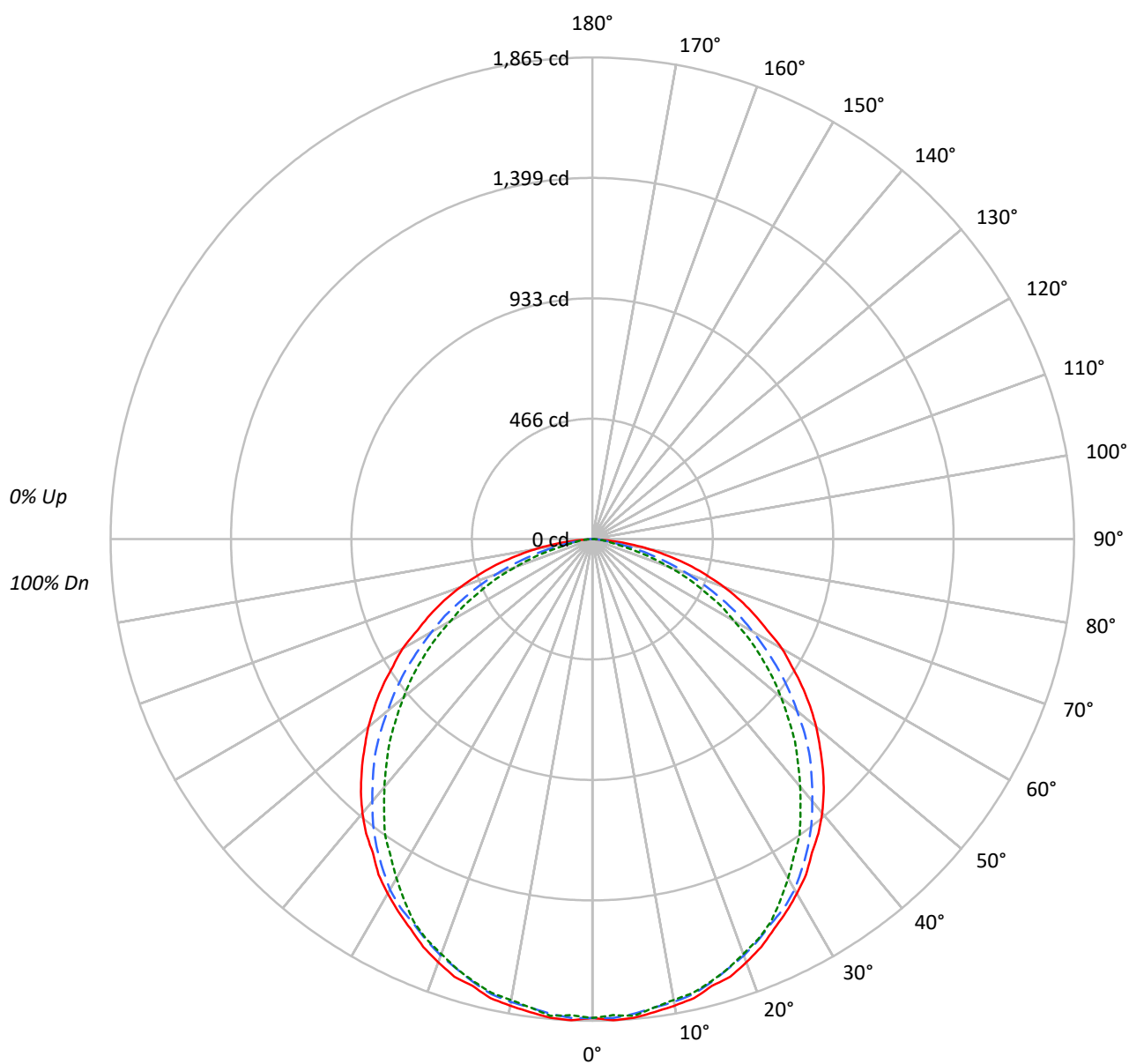
Lumens per Lamp: N/A
Luminaire Lumens: 4937.8 lumens
Efficiency: N/A
Efficacy: 99.2 lumens/watt
Spacing Criteria (0/90/45): 1.27 / 1.21 / 1.35
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

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

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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	102	102	100
1	109	105	101	97	107	103	99	96	98	95	93	95	92	90	91	89	87	87	87	85
2	100	92	85	80	97	90	84	79	87	81	77	83	79	75	80	77	74	74	74	72
3	91	81	73	67	89	79	72	66	76	70	65	74	68	64	71	67	63	63	63	61
4	84	72	63	57	81	71	63	56	68	61	56	66	60	55	64	58	54	54	54	52
5	77	64	56	49	75	63	55	49	61	54	48	59	53	48	57	52	47	47	47	45
6	71	58	49	43	69	57	49	43	55	48	42	54	47	42	52	46	42	42	42	40
7	66	53	44	38	64	52	44	38	50	43	38	49	42	37	48	42	37	37	37	35
8	61	48	40	34	60	47	39	34	46	39	34	45	38	33	44	38	33	33	33	31
9	57	44	36	31	56	44	36	30	42	35	30	41	35	30	40	34	30	30	30	28
10	54	41	33	28	53	40	33	28	39	32	28	38	32	27	37	32	27	27	27	26

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	4989	4989	4989
5°	5025	4984	5005
10°	5011	4972	4951
15°	4989	4949	4940
20°	4993	4914	4894
25°	4944	4872	4855
30°	4923	4868	4710
35°	4868	4780	4595
40°	4864	4654	4398
45°	4803	4534	4223
50°	4738	4331	3993
55°	4647	4129	3750
60°	4563	3863	3405
65°	4408	3543	3044
70°	4265	3084	2485
75°	4006	2434	1710
80°	3473	1472	1026
85°	2319	1056	988

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 4803 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	175.7	3.6
10°-20°	502.8	10.2
20°-30°	759.5	15.4
30°-40°	903.1	18.3
40°-50°	915.9	18.5
50°-60°	795.3	16.1
60°-70°	564.6	11.4
70°-80°	269.8	5.5
80°-90°	51.1	1.0
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°	1438.1	29.1
0°-40°	2341.1	47.4
0°-60°	4052.3	82.1
0°-90°	4937.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4937.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1854	1854	1854	1854	1854	
5°	1860	1854	1845	1849	1853	177
15°	1791	1795	1776	1774	1773	507
25°	1665	1663	1641	1647	1635	769
35°	1482	1480	1455	1406	1399	931
45°	1262	1251	1191	1128	1110	973
55°	990	961	880	828	799	885
65°	692	640	556	497	478	686
75°	385	315	234	186	164	404
85°	75	40	34	33	32	95
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1853.8	1853.8	1853.8	1853.8	1853.8
2.5°	1864.8	1858.2	1856.0	1863.7	1844.9
5°	1860.4	1853.8	1844.9	1849.4	1852.7
7.5°	1847.1	1841.6	1829.5	1839.4	1829.5
10°	1833.9	1828.4	1819.5	1822.9	1811.8
12.5°	1820.6	1807.4	1805.2	1807.4	1799.7
15°	1790.8	1795.2	1776.5	1774.3	1773.2
17.5°	1776.5	1765.4	1745.6	1746.7	1744.5
20°	1743.4	1730.1	1715.8	1713.5	1709.1
22.5°	1709.1	1693.7	1680.4	1687.0	1677.1
25°	1665.0	1662.8	1640.7	1647.3	1635.2
27.5°	1626.3	1618.6	1608.7	1594.3	1576.6
30°	1584.4	1576.6	1566.7	1529.2	1515.9
32.5°	1540.2	1531.4	1511.5	1467.3	1453.0
35°	1481.7	1479.5	1455.2	1405.5	1398.9
37.5°	1437.5	1413.2	1393.4	1342.6	1323.8
40°	1384.5	1371.3	1324.9	1276.3	1252.0
42.5°	1326.0	1310.6	1257.6	1205.7	1179.2
45°	1262.0	1250.9	1191.3	1128.4	1109.6
47.5°	1195.7	1185.8	1115.1	1054.4	1030.1
50°	1131.7	1119.5	1034.5	976.0	953.9
52.5°	1062.1	1042.3	958.3	900.9	880.0
55°	990.4	960.6	880.0	828.1	799.4
57.5°	914.2	886.6	797.2	743.1	719.9
60°	847.9	809.3	717.7	662.5	632.6
62.5°	762.9	729.8	642.6	577.4	563.1
65°	692.3	640.4	556.5	496.8	478.1
67.5°	620.5	559.8	474.8	414.0	404.1
70°	542.1	479.2	392.0	332.3	315.8
72.5°	462.6	400.8	315.8	252.8	242.9
75°	385.3	314.7	234.1	185.5	164.5
77.5°	301.4	237.4	164.5	113.7	100.5
80°	224.1	160.1	95.0	67.3	66.2
82.5°	146.8	92.7	50.8	51.9	49.7
85°	75.1	39.7	34.2	33.1	32.0
87.5°	14.4	15.5	16.6	16.6	16.6
90°	0.0	0.0	0.0	0.0	0.0



— 0°-180° - - 45°-225° 90°-270°

(END OF REPORT)