

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: P1050355

Luminaire Tested: PTR-14-50-PP3-L840-UNV-STD-W

Issue Date: 7/11/2025

Test Information

Test Method: LM-79-2019
Report Number: P1050355
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P737727)
Test Lab: INNOVATION CENTER
Issue Date: 7/11/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: PTR-14-50-PP3-L840-UNV-STD-W
Description: 8000 LUMEN 1X4 PERCEIVE PT TROFFER WITH 4000K, 80 CRI LEDS AND PRISM LENS

Light Source:
Ballast/Driver: -

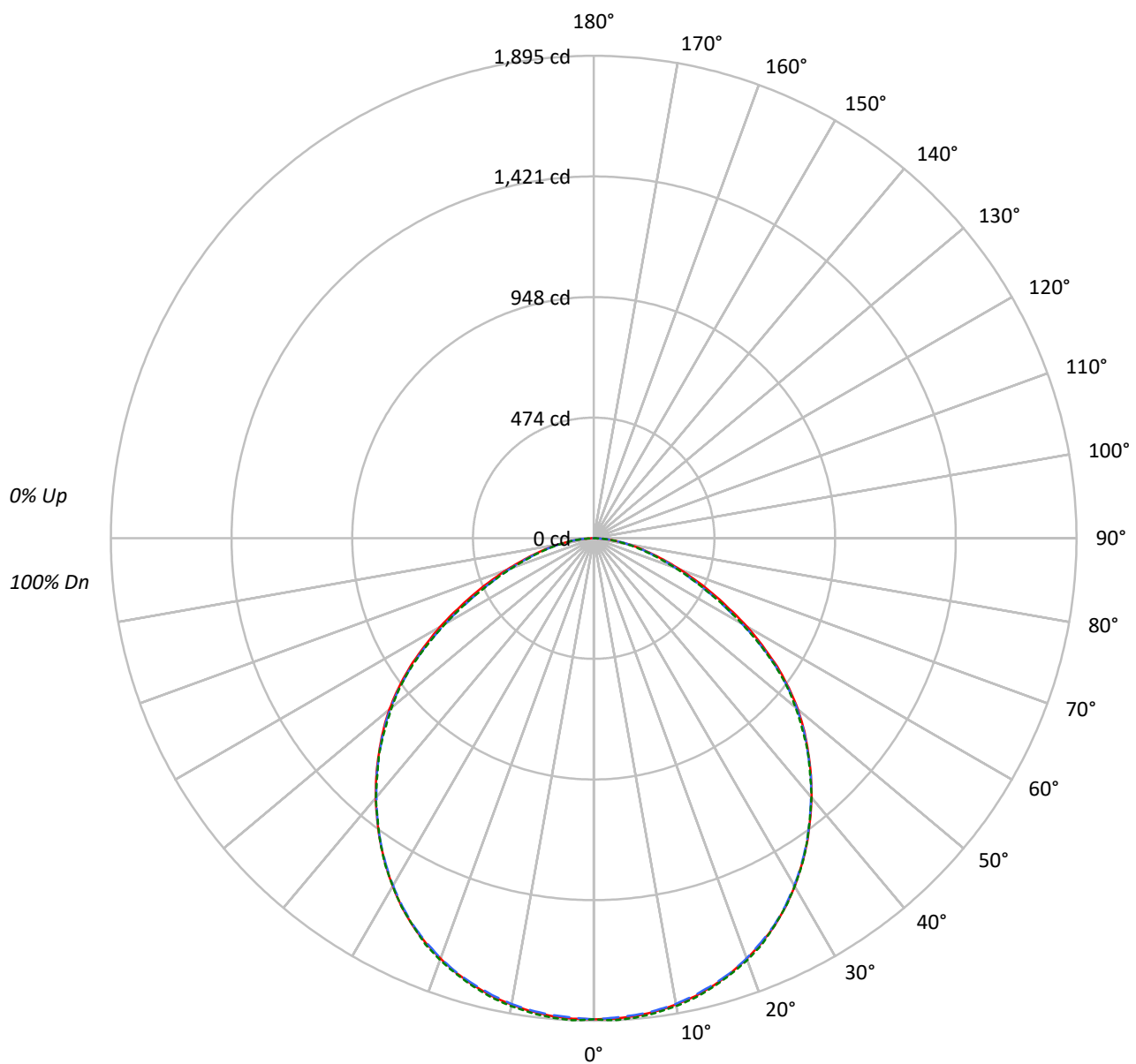
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4881.7 lumens
Efficiency: N/A
Efficacy: 119.4 lumens/watt
Spacing Criteria (0/90/45): 1.24 / 1.24 / 1.34
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 40.9
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	100		
1	109	105	101	97	107	103	99	96	99	96	93	95	92	90	91	89	87	85		
2	100	92	86	80	97	90	84	79	87	82	78	84	79	76	81	77	74	72		
3	92	81	74	67	89	80	73	67	77	71	66	74	69	65	72	67	63	61		
4	84	73	64	58	82	71	63	57	69	62	56	66	60	56	64	59	55	53		
5	77	65	56	50	75	64	56	50	62	55	49	60	54	49	58	52	48	46		
6	72	59	50	44	70	58	50	44	56	49	43	54	48	43	53	47	42	40		
7	66	53	45	39	65	52	44	39	51	44	38	50	43	38	48	42	38	36		
8	62	49	40	35	60	48	40	35	47	39	34	45	39	34	44	38	34	32		
9	58	45	37	31	57	44	36	31	43	36	31	42	35	31	41	35	31	29		
10	54	41	34	28	53	41	33	28	40	33	28	39	33	28	38	32	28	26		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	5084	5084	5084
5°	5089	5078	5105
10°	5082	5074	5099
15°	5065	5055	5078
20°	5032	5027	5049
25°	4987	4979	4985
30°	4903	4893	4903
35°	4796	4790	4794
40°	4673	4659	4671
45°	4533	4520	4526
50°	4382	4361	4330
55°	4125	4077	4064
60°	3743	3617	3624
65°	3287	3123	3118
70°	2843	2714	2682
75°	2459	2368	2316
80°	2177	2148	2050
85°	1800	1862	1754

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°

Vertical Angle: 45°

Luminance: 4549 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	179.2	3.7
10°-20°	513.3	10.5
20°-30°	772.8	15.8
30°-40°	912.1	18.7
40°-50°	917.3	18.8
50°-60°	774.4	15.9
60°-70°	497.4	10.2
70°-80°	247.4	5.1
80°-90°	67.8	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°	1465.3	30.0
0°-40°	2377.4	48.7
0°-60°	4069.2	83.4
0°-90°	4881.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4881.7	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1889	1889	1889	1889	1889	
5°	1884	1884	1880	1889	1890	179
15°	1818	1819	1815	1823	1823	513
25°	1680	1680	1677	1680	1679	773
35°	1460	1461	1458	1459	1459	912
45°	1191	1195	1188	1189	1189	919
55°	879	878	869	865	866	782
65°	516	509	490	485	490	515
75°	236	235	228	226	223	256
85°	58	60	60	57	57	69
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1889.4	1889.4	1889.4	1889.4	1889.4
2.5°	1888.6	1889.4	1884.4	1893.4	1894.9
5°	1883.9	1884.4	1879.7	1888.6	1889.9
7.5°	1874.2	1874.9	1870.7	1878.9	1880.4
10°	1859.7	1862.0	1857.0	1864.7	1866.0
12.5°	1842.0	1842.8	1837.8	1846.8	1848.3
15°	1818.1	1818.6	1814.6	1822.8	1822.8
17.5°	1790.5	1791.2	1788.5	1795.4	1794.7
20°	1757.1	1759.1	1755.6	1760.3	1763.0
22.5°	1720.7	1721.4	1717.2	1723.4	1726.2
25°	1679.6	1680.1	1676.8	1680.1	1678.8
27.5°	1631.5	1632.7	1628.0	1631.5	1632.2
30°	1577.9	1581.4	1574.7	1577.4	1577.9
32.5°	1520.3	1522.3	1517.6	1518.3	1521.8
35°	1460.0	1460.8	1458.0	1459.3	1459.3
37.5°	1395.0	1397.7	1393.5	1395.5	1392.7
40°	1330.4	1327.7	1326.2	1327.7	1329.7
42.5°	1262.4	1263.2	1261.2	1259.7	1256.4
45°	1191.1	1195.4	1187.7	1189.2	1189.2
47.5°	1121.4	1121.9	1117.9	1113.6	1110.9
50°	1046.6	1046.6	1041.6	1038.4	1034.2
52.5°	964.9	963.6	958.1	954.7	956.7
55°	879.2	878.4	868.9	865.4	866.2
57.5°	785.2	786.7	772.3	768.8	768.8
60°	695.5	688.5	672.1	667.3	673.3
62.5°	601.3	593.1	575.4	575.4	580.1
65°	516.3	508.9	490.4	485.4	489.7
67.5°	436.8	429.9	412.9	410.2	411.4
70°	361.3	355.3	344.9	338.7	340.9
72.5°	296.3	290.8	283.8	279.1	276.4
75°	236.5	235.2	227.8	225.5	222.8
77.5°	187.1	186.6	180.4	177.7	174.9
80°	140.5	139.8	138.6	134.3	132.3
82.5°	100.2	100.2	99.4	95.9	93.9
85°	58.3	60.3	60.3	56.8	56.8
87.5°	23.4	24.7	23.4	23.4	22.7
90°	0.0	0.0	0.0	0.0	0.0



— 0°-180° - - 45°-225° 90°-270°

(END OF REPORT)