

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: P1050265

Luminaire Tested: PTR-14-60-PL1-L850-UNV-STD-W

Issue Date: 7/11/2025

Test Information

Test Method: LM-79-2019
Report Number: P1050265
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P737719)
Test Lab: INNOVATION CENTER
Issue Date: 7/11/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: PTR-14-60-PL1-L850-UNV-STD-W
Description: 8000 LUMEN 1X4 PERCEIVE PT TROFFER WITH 5000K, 80 CRI LEDS AND LEAVES LENS

Light Source:
Ballast/Driver: -

Summary

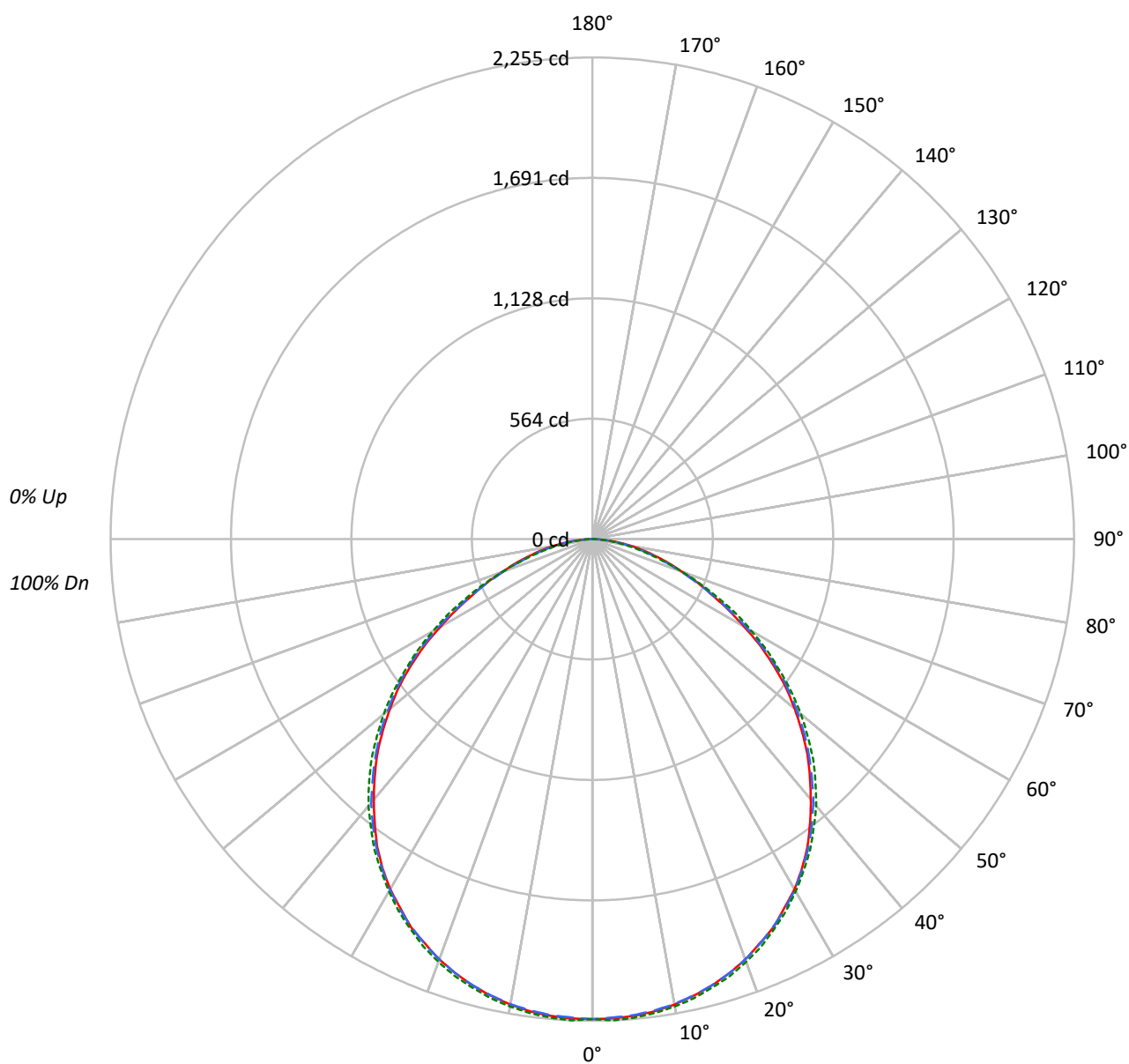
Lumens per Lamp: N/A
Luminaire Lumens: 5924.0 lumens
Efficiency: N/A
Efficacy: 119.0 lumens/watt
Spacing Criteria (0/90/45): 1.25 / 1.26 / 1.35
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

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	94	92	90	91	89	87	87	87	85
2	100	92	86	80	97	90	84	79	87	82	77	83	79	75	80	77	74	74	74	72
3	91	81	73	67	89	80	72	66	77	70	65	74	69	64	71	67	63	63	63	61
4	84	72	64	57	82	71	63	57	68	61	56	66	60	55	64	59	55	55	55	52
5	77	65	56	49	75	64	55	49	61	54	49	60	53	48	58	52	48	48	48	46
6	71	58	50	43	69	57	49	43	56	48	43	54	47	42	52	47	42	42	42	40
7	66	53	44	38	65	52	44	38	51	43	38	49	43	38	48	42	37	37	37	35
8	62	48	40	34	60	48	40	34	46	39	34	45	39	34	44	38	34	34	34	32
9	58	44	36	31	56	44	36	31	43	36	31	42	35	30	41	35	30	30	30	29
10	54	41	33	28	53	41	33	28	40	33	28	39	32	28	38	32	28	28	28	26

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	6048	6048	6048
5°	6053	6041	6075
10°	6045	6039	6072
15°	6027	6024	6055
20°	5997	5997	6030
25°	5956	5948	5980
30°	5881	5889	5917
35°	5769	5791	5837
40°	5589	5654	5727
45°	5415	5460	5565
50°	5177	5233	5336
55°	4876	4954	5012
60°	4422	4517	4630
65°	3928	3971	4131
70°	3511	3440	3526
75°	3168	2985	2926
80°	2879	2673	2373
85°	2439	2214	1905

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 5565 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	213.2	3.6
10°-20°	611.4	10.3
20°-30°	924.8	15.6
30°-40°	1102.4	18.6
40°-50°	1108.5	18.7
50°-60°	940.8	15.9
60°-70°	626.4	10.6
70°-80°	312.8	5.3
80°-90°	83.7	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°	1749.4	29.5
0°-40°	2851.8	48.1
0°-60°	4901.2	82.7
0°-90°	5924.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5924.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2247	2247	2247	2247	2247	
5°	2241	2241	2236	2246	2249	213
15°	2163	2166	2162	2171	2173	610
25°	2006	2006	2003	2013	2014	922
35°	1756	1758	1763	1775	1777	1095
45°	1423	1425	1435	1454	1462	1095
55°	1039	1046	1056	1066	1068	926
65°	617	622	624	633	649	618
75°	305	300	287	280	281	327
85°	79	78	72	68	62	91
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2247.4	2247.4	2247.4	2247.4	2247.4
2.5°	2245.6	2247.4	2241.3	2252.2	2255.0
5°	2240.7	2241.3	2236.5	2246.5	2248.9
7.5°	2229.8	2230.7	2225.6	2236.5	2238.0
10°	2212.3	2214.1	2209.9	2219.9	2222.3
12.5°	2189.9	2192.3	2188.1	2199.0	2200.8
15°	2163.3	2165.7	2162.4	2171.4	2173.3
17.5°	2130.6	2132.4	2130.6	2139.1	2143.9
20°	2094.0	2094.0	2094.0	2101.6	2105.8
22.5°	2048.3	2052.5	2050.7	2060.7	2064.9
25°	2005.9	2005.9	2003.2	2012.6	2014.1
27.5°	1946.6	1953.3	1952.7	1960.9	1962.7
30°	1892.5	1894.3	1895.2	1901.0	1904.3
32.5°	1826.8	1828.3	1831.1	1839.2	1840.1
35°	1756.0	1757.9	1762.7	1775.1	1776.9
37.5°	1673.7	1682.8	1687.1	1700.4	1701.9
40°	1591.1	1596.9	1609.6	1623.5	1630.2
42.5°	1507.0	1513.7	1521.3	1540.3	1546.4
45°	1422.9	1425.3	1434.7	1453.8	1462.3
47.5°	1329.7	1337.3	1345.5	1362.1	1367.3
50°	1236.5	1244.7	1249.9	1264.7	1274.7
52.5°	1142.5	1150.0	1155.8	1164.8	1174.8
55°	1039.3	1046.5	1055.9	1065.9	1068.3
57.5°	934.3	942.5	948.5	959.1	970.0
60°	821.7	831.1	839.3	849.3	860.2
62.5°	717.1	721.0	729.5	746.1	761.8
65°	616.9	622.1	623.6	632.9	648.7
67.5°	533.7	533.7	526.1	529.5	547.0
70°	446.3	442.9	437.2	433.9	448.1
72.5°	375.5	371.2	358.8	353.1	360.6
75°	304.7	300.4	287.1	280.5	281.4
77.5°	244.8	238.1	227.2	215.7	213.3
80°	185.8	183.0	172.5	161.6	153.1
82.5°	131.6	125.9	119.8	113.2	106.5
85°	79.0	77.5	71.7	67.5	61.7
87.5°	32.4	32.4	30.9	29.0	27.5
90°	0.0	0.0	0.0	0.0	0.0



— 0°-180° - - 45°-225° 90°-270°

(END OF REPORT)