

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: P1050262

Luminaire Tested: PTR-14-60-PL1-L830-UNV-STD-W

Issue Date: 7/11/2025

Test Information

Test Method: LM-79-2019
Report Number: P1050262
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-L830-UNV-STD-W
Description: 8000 LUMEN 1X4 PERCEIVE PT TROFFER WITH 3000K, 80 CRI LEDS AND LEAVES LENS

Light Source:
Ballast/Driver: -

Summary

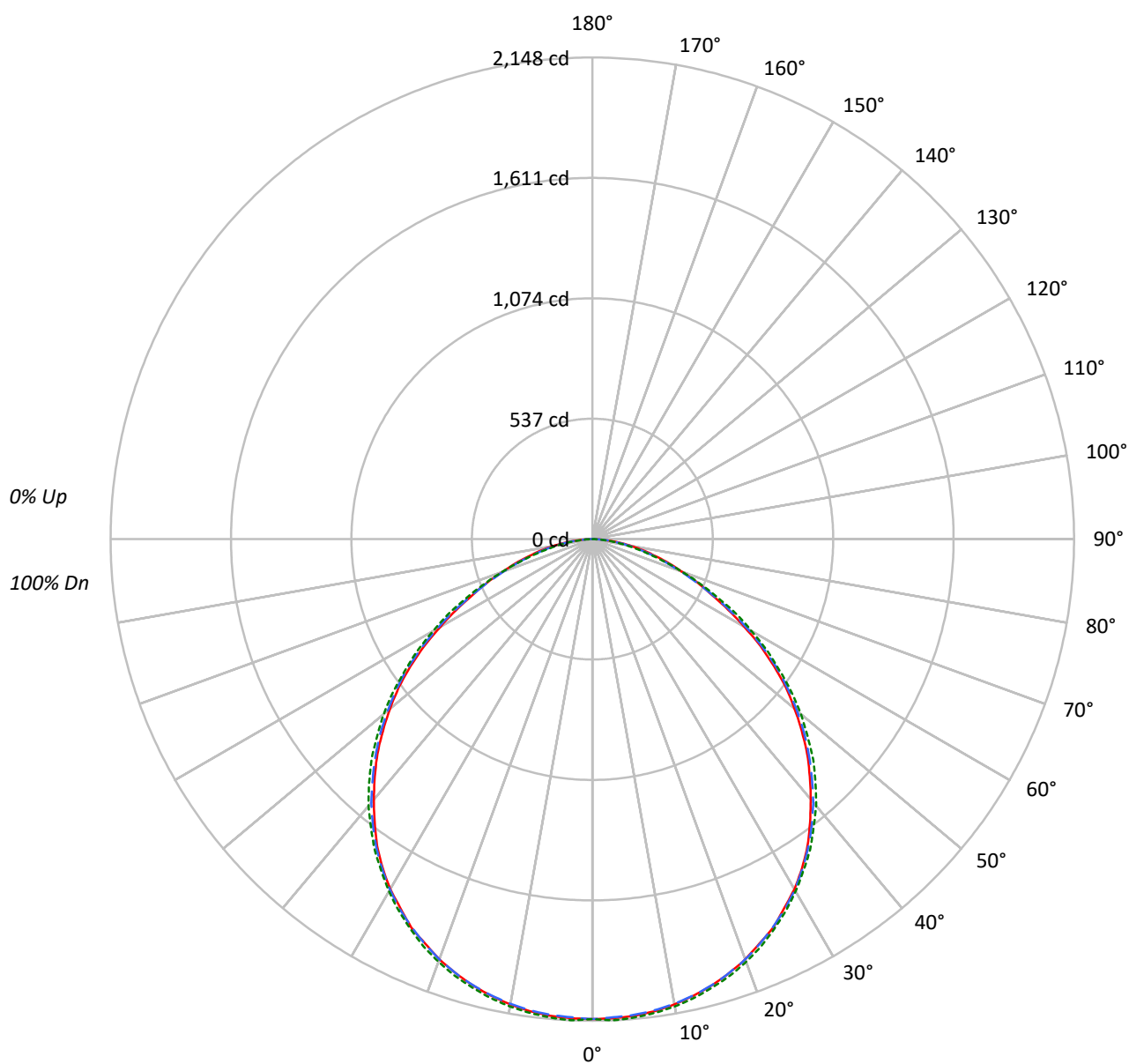
Lumens per Lamp: N/A
Luminaire Lumens: 5641.9 lumens
Efficiency: N/A
Efficacy: 113.3 lumens/watt
Spacing Criteria (0/90/45): 1.25 / 1.26 / 1.35
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

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	100		
1	109	105	101	97	107	103	99	96	98	95	93	94	92	90	91	89	87	85		
2	100	92	86	80	97	90	84	79	87	82	77	83	79	75	80	77	74	72		
3	91	81	73	67	89	80	72	66	77	70	65	74	69	64	71	67	63	61		
4	84	72	64	57	82	71	63	57	68	61	56	66	60	55	64	59	55	52		
5	77	65	56	49	75	64	55	49	61	54	49	60	53	48	58	52	48	46		
6	71	58	50	43	69	57	49	43	56	48	43	54	47	42	52	47	42	40		
7	66	53	44	38	65	52	44	38	51	43	38	49	43	38	48	42	37	35		
8	62	48	40	34	60	48	40	34	46	39	34	45	39	34	44	38	34	32		
9	58	44	36	31	56	44	36	31	43	36	31	42	35	30	41	35	30	29		
10	54	41	33	28	53	41	33	28	40	33	28	39	32	28	38	32	28	26		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	5760	5760	5760
5°	5764	5754	5786
10°	5757	5751	5783
15°	5740	5737	5766
20°	5711	5711	5743
25°	5672	5665	5695
30°	5601	5609	5635
35°	5494	5515	5559
40°	5323	5385	5454
45°	5157	5200	5300
50°	4930	4983	5082
55°	4644	4718	4774
60°	4212	4302	4409
65°	3741	3782	3934
70°	3344	3276	3357
75°	3017	2844	2786
80°	2741	2545	2259
85°	2322	2109	1815

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 5300 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	203.0	3.6
10°-20°	582.3	10.3
20°-30°	880.8	15.6
30°-40°	1049.9	18.6
40°-50°	1055.7	18.7
50°-60°	896.0	15.9
60°-70°	596.6	10.6
70°-80°	297.9	5.3
80°-90°	79.7	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°	1666.1	29.5
0°-40°	2716.0	48.1
0°-60°	4667.8	82.7
0°-90°	5641.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5641.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2140	2140	2140	2140	2140	
5°	2134	2135	2130	2140	2142	203
15°	2060	2063	2059	2068	2070	581
25°	1910	1910	1908	1917	1918	878
35°	1672	1674	1679	1691	1692	1043
45°	1355	1358	1366	1385	1393	1043
55°	990	997	1006	1015	1018	882
65°	588	592	594	603	618	589
75°	290	286	274	267	268	312
85°	75	74	68	64	59	87
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2140.4	2140.4	2140.4	2140.4	2140.4
2.5°	2138.6	2140.4	2134.6	2145.0	2147.6
5°	2134.0	2134.6	2130.0	2139.5	2141.8
7.5°	2123.7	2124.5	2119.6	2130.0	2131.4
10°	2106.9	2108.7	2104.6	2114.1	2116.5
12.5°	2085.6	2087.9	2083.9	2094.3	2096.0
15°	2060.3	2062.6	2059.4	2068.0	2069.8
17.5°	2029.1	2030.9	2029.1	2037.2	2041.8
20°	1994.3	1994.3	1994.3	2001.5	2005.5
22.5°	1950.8	1954.8	1953.1	1962.6	1966.6
25°	1910.4	1910.4	1907.8	1916.8	1918.2
27.5°	1854.0	1860.3	1859.7	1867.5	1869.2
30°	1802.4	1804.1	1805.0	1810.4	1813.6
32.5°	1739.8	1741.3	1743.9	1751.7	1752.5
35°	1672.4	1674.1	1678.8	1690.6	1692.3
37.5°	1594.0	1602.7	1606.7	1619.4	1620.8
40°	1515.4	1520.9	1533.0	1546.2	1552.5
42.5°	1435.3	1441.6	1448.8	1467.0	1472.7
45°	1355.2	1357.5	1366.4	1384.6	1392.6
47.5°	1266.4	1273.6	1281.4	1297.2	1302.1
50°	1177.7	1185.4	1190.3	1204.5	1214.0
52.5°	1088.1	1095.3	1100.7	1109.4	1118.9
55°	989.8	996.7	1005.6	1015.1	1017.5
57.5°	889.8	897.6	903.3	913.4	923.8
60°	782.6	791.5	799.3	808.8	819.2
62.5°	682.9	686.7	694.7	710.6	725.6
65°	587.5	592.4	593.9	602.8	617.8
67.5°	508.3	508.3	501.1	504.3	521.0
70°	425.0	421.9	416.4	413.2	426.7
72.5°	357.6	353.6	341.7	336.3	343.5
75°	290.2	286.1	273.5	267.1	268.0
77.5°	233.1	226.8	216.4	205.5	203.1
80°	176.9	174.3	164.2	153.9	145.8
82.5°	125.3	119.9	114.1	107.8	101.4
85°	75.2	73.8	68.3	64.3	58.8
87.5°	30.8	30.8	29.4	27.7	26.2
90°	0.0	0.0	0.0	0.0	0.0



— 0°-180° - - 45°-225° 90°-270°

(END OF REPORT)