

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: P1050409

Luminaire Tested: PTR-14-60-PR1-L830-UNV-STD-W

Issue Date: 7/11/2025

Test Information

Test Method: LM-79-2019
Report Number: P1050409
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P737735)
Test Lab: INNOVATION CENTER
Issue Date: 7/11/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: PTR-14-60-PR1-L830-UNV-STD-W
Description: 8000 LUMEN 1X4 PERCEIVE PT TROFFER WITH 3000K, 80 CRI LEDS AND RIPPLE LENS

Light Source:
Ballast/Driver: -

Summary

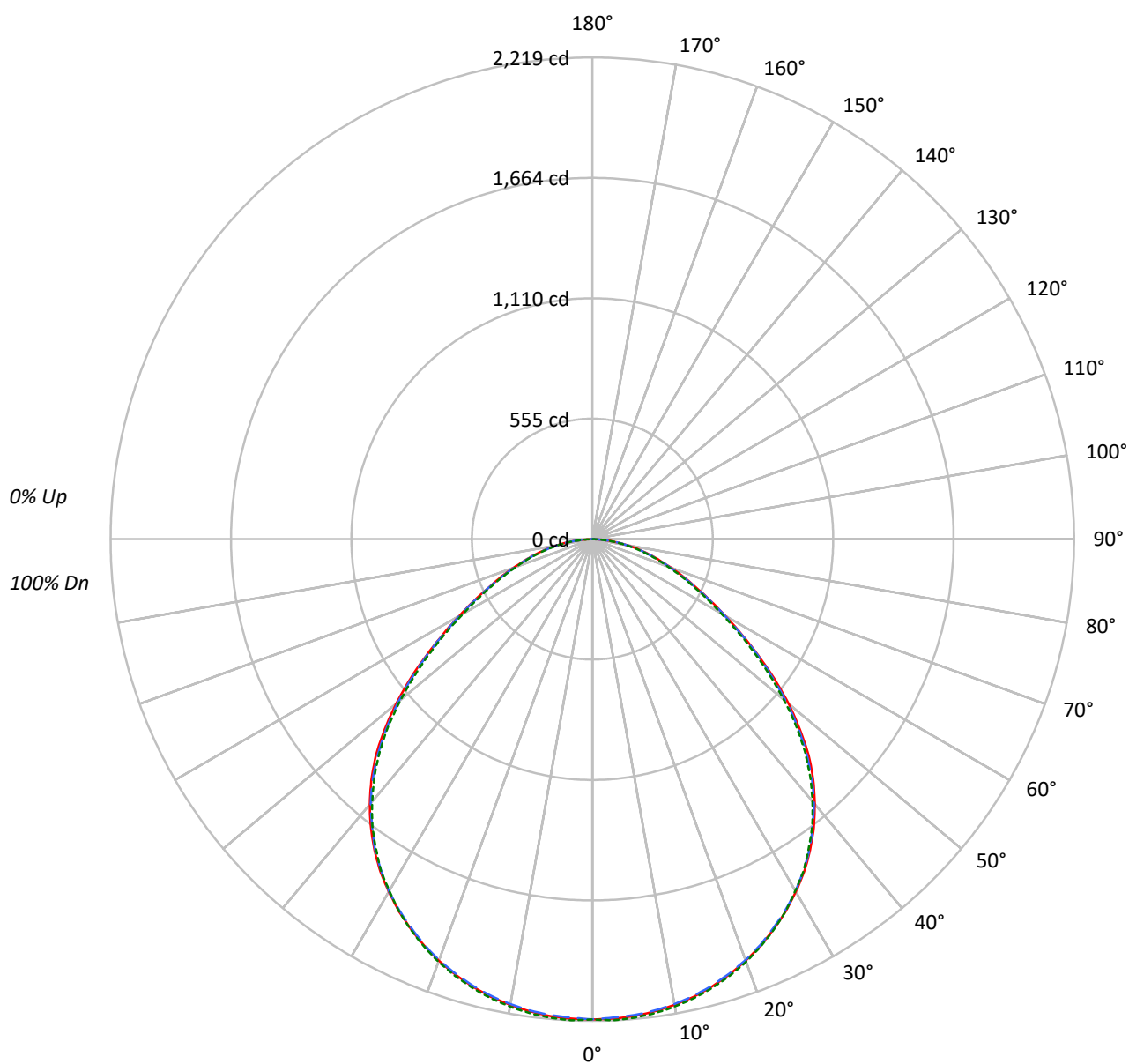
Lumens per Lamp: N/A
Luminaire Lumens: 5594.9 lumens
Efficiency: N/A
Efficacy: 112.3 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.26 / 1.34
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

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: P1050409

CATALOG NUMBER: PTR-14-60-PR1-L830-UNV-STD-W

Luminous Intensity Polar Plot



TEST NUMBER: P1050409

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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	88	85		
2	100	93	86	81	98	91	85	80	87	82	78	84	80	76	81	78	75	73		
3	92	82	74	68	90	80	73	68	78	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	45	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	39	33	29	39	33	29	27		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	5953	5953	5953
5°	5959	5946	5978
10°	5954	5943	5976
15°	5943	5934	5962
20°	5918	5910	5934
25°	5879	5865	5886
30°	5827	5820	5812
35°	5747	5733	5710
40°	5602	5579	5540
45°	5368	5308	5269
50°	4939	4883	4823
55°	4371	4352	4267
60°	3799	3785	3682
65°	3348	3328	3261
70°	3038	2995	2933
75°	2812	2747	2696
80°	2568	2532	2447
85°	2029	2010	1930

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 5368 cd/sqm

TEST NUMBER: P1050409

CATALOG NUMBER: PTR-14-60-PR1-L830-UNV-STD-W

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	209.8	3.8
10°-20°	602.3	10.8
20°-30°	912.5	16.3
30°-40°	1089.3	19.5
40°-50°	1071.3	19.1
50°-60°	828.0	14.8
60°-70°	522.1	9.3
70°-80°	282.4	5.0
80°-90°	77.2	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°	1724.7	30.8
0°-40°	2814.0	50.3
0°-60°	4713.2	84.2
0°-90°	5594.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5594.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2212	2212	2212	2212	2212	
5°	2206	2207	2201	2211	2213	210
15°	2133	2134	2130	2137	2140	602
25°	1980	1982	1975	1982	1982	913
35°	1749	1750	1745	1743	1738	1092
45°	1410	1405	1395	1384	1385	1080
55°	932	940	928	913	910	836
65°	526	527	523	514	512	529
75°	270	267	264	266	259	287
85°	66	67	65	66	62	78
90°	0	0	0	0	0	

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CATALOG NUMBER: PTR-14-60-PR1-L830-UNV-STD-W

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2212.3	2212.3	2212.3	2212.3	2212.3
2.5°	2211.4	2212.3	2206.0	2216.3	2218.6
5°	2206.0	2206.8	2201.1	2210.6	2213.2
7.5°	2194.7	2196.5	2191.0	2200.5	2202.8
10°	2178.9	2180.6	2175.1	2184.6	2186.9
12.5°	2159.3	2159.9	2155.3	2163.9	2166.2
15°	2133.1	2133.6	2129.9	2136.8	2140.0
17.5°	2102.8	2103.7	2098.2	2106.9	2108.3
20°	2066.5	2067.1	2063.9	2071.1	2072.0
22.5°	2025.9	2027.6	2022.7	2029.1	2029.9
25°	1980.1	1981.5	1975.2	1981.5	1982.4
27.5°	1931.7	1932.3	1926.8	1931.7	1930.8
30°	1875.2	1880.1	1872.9	1871.2	1870.6
32.5°	1816.7	1817.3	1810.4	1808.7	1811.8
35°	1749.3	1749.9	1745.3	1743.0	1738.1
37.5°	1675.6	1675.6	1666.6	1665.2	1664.3
40°	1594.6	1593.8	1588.3	1582.8	1577.0
42.5°	1506.5	1508.2	1497.0	1487.4	1486.0
45°	1410.5	1405.1	1394.7	1383.7	1384.6
47.5°	1297.3	1298.7	1284.6	1275.7	1273.4
50°	1179.8	1179.8	1166.5	1157.0	1152.1
52.5°	1057.0	1057.9	1045.2	1032.5	1029.9
55°	931.7	939.5	927.7	912.7	909.5
57.5°	814.5	820.8	809.6	793.7	792.8
60°	705.8	706.4	703.2	688.3	684.2
62.5°	613.1	609.0	607.3	599.5	594.6
65°	525.8	526.6	522.6	513.7	512.2
67.5°	455.2	454.3	447.1	441.7	438.5
70°	386.1	383.7	380.6	376.0	372.8
72.5°	324.4	324.4	321.8	320.4	314.9
75°	270.5	267.4	264.2	265.6	259.3
77.5°	219.0	215.8	213.2	210.0	208.6
80°	165.7	162.5	163.4	158.5	157.9
82.5°	115.0	115.0	113.5	109.5	110.3
85°	65.7	66.6	65.1	65.7	62.5
87.5°	23.9	24.5	26.2	24.5	24.5
90°	0.0	0.0	0.0	0.0	0.0



— 0°-180° - - 45°-225° 90°-270°

(END OF REPORT)