

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: P1050115

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

Issue Date: 7/11/2025

Test Information

Test Method: LM-79-2019
Report Number: P1050115
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-L830-UNV-STD-W
Description: 8000 LUMEN 1X4 PERCEIVE PT TROFFER WITH 3000K, 80 CRI LEDS AND FROSTED LENS

Light Source:
Ballast/Driver: -

Summary

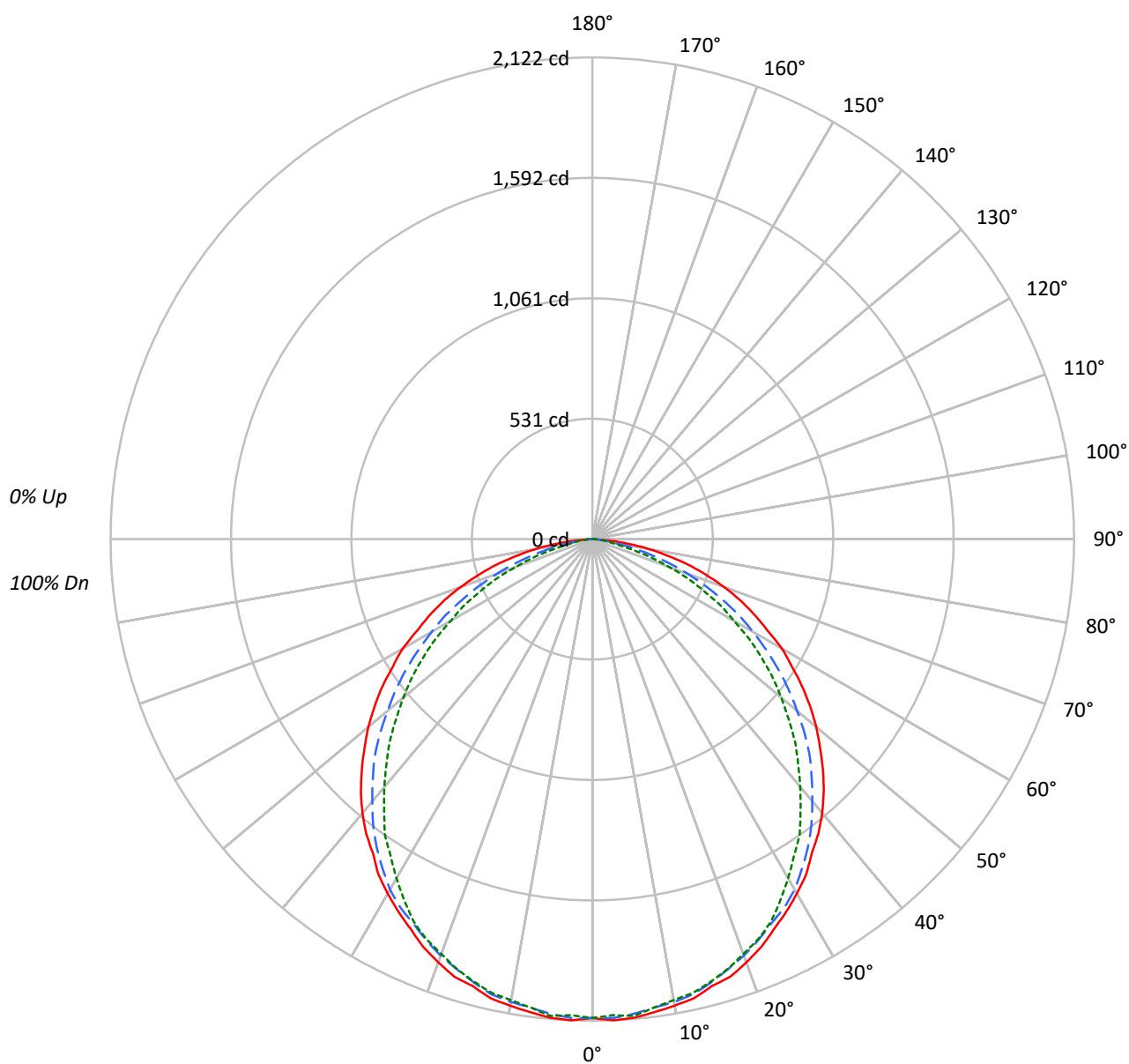
Lumens per Lamp: N/A
Luminaire Lumens: 5618.7 lumens
Efficiency: N/A
Efficacy: 112.8 lumens/watt
Spacing Criteria (0/90/45): 1.27 / 1.21 / 1.35
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

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

TEST NUMBER: P1050115

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

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°	5676	5676	5676
5°	5718	5671	5695
10°	5702	5657	5633
15°	5677	5631	5621
20°	5681	5591	5569
25°	5625	5543	5524
30°	5602	5539	5360
35°	5539	5439	5229
40°	5534	5296	5005
45°	5465	5159	4805
50°	5391	4928	4544
55°	5287	4698	4267
60°	5193	4395	3874
65°	5016	4032	3464
70°	4854	3509	2827
75°	4559	2769	1946
80°	3952	1674	1168
85°	2637	1201	1124

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 5465 cd/sqm

TEST NUMBER: P1050115

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

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	199.9	3.6
10°-20°	572.2	10.2
20°-30°	864.2	15.4
30°-40°	1027.6	18.3
40°-50°	1042.2	18.5
50°-60°	905.0	16.1
60°-70°	642.4	11.4
70°-80°	307.0	5.5
80°-90°	58.2	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°	1636.4	29.1
0°-40°	2663.9	47.4
0°-60°	4611.1	82.1
0°-90°	5618.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5618.7	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2109	2109	2109	2109	2109	
5°	2117	2109	2099	2104	2108	201
15°	2038	2043	2021	2019	2018	577
25°	1894	1892	1867	1874	1861	875
35°	1686	1684	1656	1599	1592	1059
45°	1436	1423	1356	1284	1263	1108
55°	1127	1093	1001	942	910	1007
65°	788	729	633	565	544	780
75°	438	358	266	211	187	460
85°	85	45	39	38	36	108
90°	0	0	0	0	0	

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

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2109.4	2109.4	2109.4	2109.4	2109.4
2.5°	2121.9	2114.4	2111.9	2120.7	2099.3
5°	2116.9	2109.4	2099.3	2104.4	2108.1
7.5°	2101.8	2095.6	2081.7	2093.0	2081.7
10°	2086.8	2080.5	2070.4	2074.2	2061.6
12.5°	2071.7	2056.6	2054.1	2056.6	2047.8
15°	2037.8	2042.8	2021.4	2018.9	2017.7
17.5°	2021.4	2008.9	1986.3	1987.5	1985.0
20°	1983.7	1968.7	1952.3	1949.8	1944.8
22.5°	1944.8	1927.2	1912.1	1919.7	1908.4
25°	1894.5	1892.0	1866.9	1874.4	1860.6
27.5°	1850.6	1841.8	1830.5	1814.1	1794.0
30°	1802.8	1794.0	1782.7	1740.0	1724.9
32.5°	1752.6	1742.5	1719.9	1669.7	1653.3
35°	1686.0	1683.5	1655.8	1599.3	1591.8
37.5°	1635.7	1608.1	1585.5	1527.7	1506.3
40°	1575.4	1560.4	1507.6	1452.3	1424.7
42.5°	1508.9	1491.3	1431.0	1371.9	1341.8
45°	1436.0	1423.4	1355.6	1284.0	1262.6
47.5°	1360.6	1349.3	1268.9	1199.8	1172.2
50°	1287.7	1273.9	1177.2	1110.6	1085.5
52.5°	1208.6	1186.0	1090.5	1025.2	1001.3
55°	1126.9	1093.0	1001.3	942.2	909.6
57.5°	1040.2	1008.8	907.1	845.5	819.1
60°	964.9	920.9	816.6	753.8	719.9
62.5°	868.1	830.4	731.2	657.1	640.7
65°	787.7	728.7	633.2	565.3	544.0
67.5°	706.1	637.0	540.2	471.1	459.8
70°	616.9	545.2	446.0	378.2	359.3
72.5°	526.4	456.0	359.3	287.7	276.4
75°	438.5	358.1	266.3	211.1	187.2
77.5°	343.0	270.1	187.2	129.4	114.3
80°	255.0	182.2	108.0	76.6	75.4
82.5°	167.1	105.5	57.8	59.0	56.5
85°	85.4	45.2	38.9	37.7	36.4
87.5°	16.3	17.6	18.8	18.8	18.8
90°	0.0	0.0	0.0	0.0	0.0



— 0°-180° - - 45°-225° 90°-270°

(END OF REPORT)