

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: P1050360

Luminaire Tested: PTR-14-60-PP3-L830-UNV-STD-W

Issue Date: 7/11/2025

Test Information

Test Method: LM-79-2019
Report Number: P1050360
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-14-60-PP3-L830-UNV-STD-W
Description: 8000 LUMEN 1X4 PERCEIVE PT TROFFER WITH 3000K, 80 CRI LEDS AND PRISM LENS

Light Source:
Ballast/Driver: -

Summary

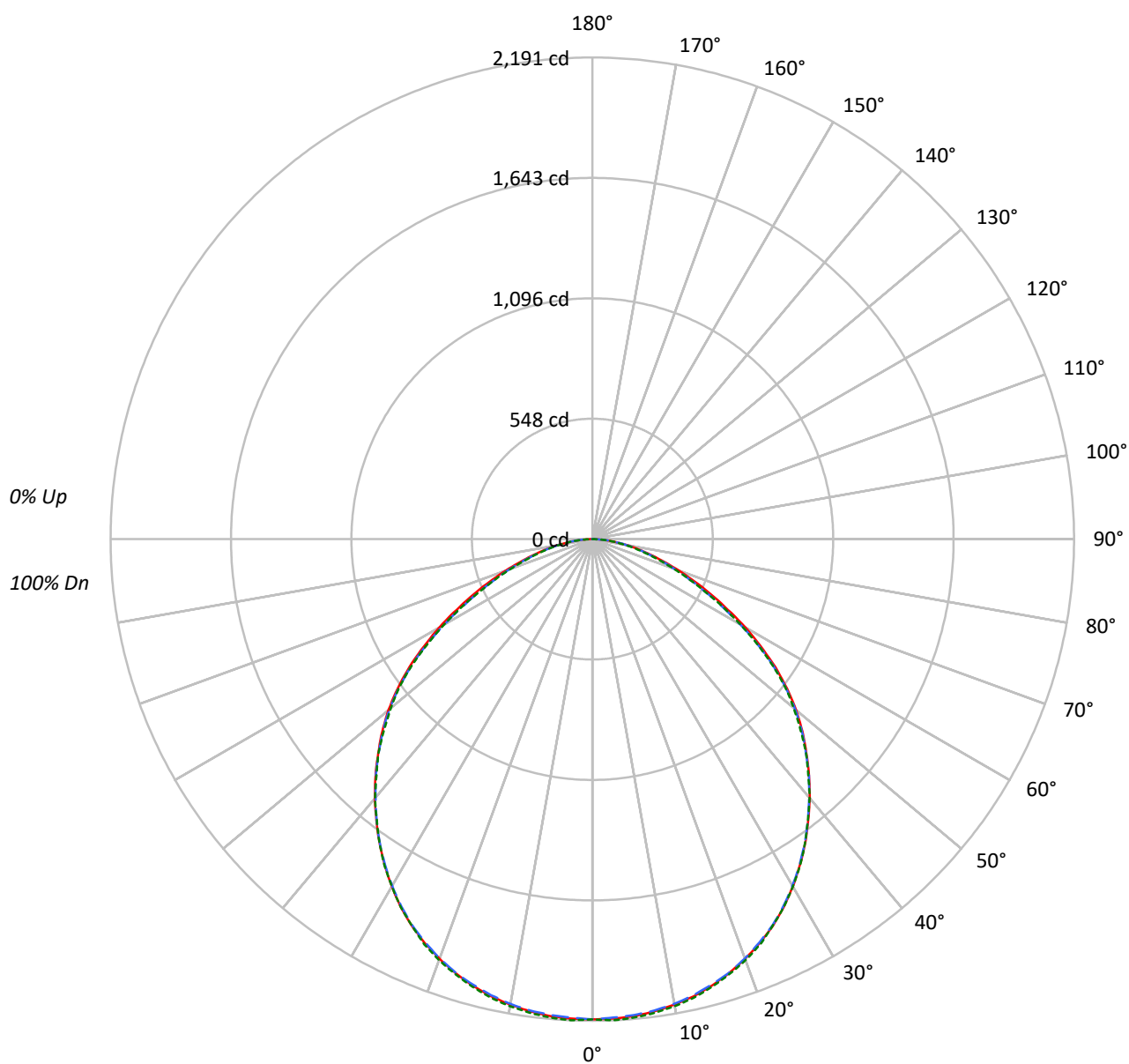
Lumens per Lamp: N/A
Luminaire Lumens: 5643.8 lumens
Efficiency: N/A
Efficacy: 113.3 lumens/watt
Spacing Criteria (0/90/45): 1.24 / 1.24 / 1.34
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

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

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	5878	5878	5878
5°	5883	5870	5902
10°	5875	5866	5895
15°	5856	5845	5871
20°	5817	5812	5837
25°	5766	5756	5763
30°	5668	5657	5668
35°	5545	5538	5542
40°	5403	5386	5400
45°	5241	5225	5232
50°	5066	5041	5005
55°	4769	4713	4698
60°	4328	4182	4189
65°	3801	3610	3605
70°	3286	3137	3101
75°	2843	2738	2678
80°	2518	2483	2371
85°	2081	2152	2029

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°

Vertical Angle: 45°

Luminance: 5259 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	207.1	3.7
10°-20°	593.5	10.5
20°-30°	893.5	15.8
30°-40°	1054.5	18.7
40°-50°	1060.6	18.8
50°-60°	895.3	15.9
60°-70°	575.0	10.2
70°-80°	286.0	5.1
80°-90°	78.4	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°	1694.1	30.0
0°-40°	2748.6	48.7
0°-60°	4704.5	83.4
0°-90°	5643.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5643.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2184	2184	2184	2184	2184	
5°	2178	2179	2173	2184	2185	207
15°	2102	2102	2098	2107	2107	593
25°	1942	1942	1939	1942	1941	893
35°	1688	1689	1686	1687	1687	1055
45°	1377	1382	1373	1375	1375	1063
55°	1016	1016	1005	1001	1001	904
65°	597	588	567	561	566	595
75°	273	272	263	261	258	296
85°	67	70	70	66	66	79
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2184.4	2184.4	2184.4	2184.4	2184.4
2.5°	2183.5	2184.4	2178.6	2189.0	2190.7
5°	2178.0	2178.6	2173.1	2183.5	2184.9
7.5°	2166.8	2167.6	2162.7	2172.3	2174.0
10°	2150.1	2152.7	2146.9	2155.8	2157.3
12.5°	2129.6	2130.5	2124.7	2135.1	2136.8
15°	2102.0	2102.5	2097.9	2107.4	2107.4
17.5°	2070.0	2070.8	2067.7	2075.7	2074.9
20°	2031.4	2033.7	2029.6	2035.1	2038.3
22.5°	1989.3	1990.2	1985.3	1992.5	1995.7
25°	1941.8	1942.4	1938.6	1942.4	1940.9
27.5°	1886.2	1887.6	1882.1	1886.2	1887.0
30°	1824.2	1828.3	1820.5	1823.7	1824.2
32.5°	1757.7	1760.0	1754.5	1755.4	1759.4
35°	1688.0	1688.8	1685.7	1687.1	1687.1
37.5°	1612.8	1615.9	1611.0	1613.3	1610.2
40°	1538.2	1535.0	1533.3	1535.0	1537.3
42.5°	1459.5	1460.4	1458.1	1456.3	1452.6
45°	1377.1	1382.0	1373.1	1374.8	1374.8
47.5°	1296.4	1297.0	1292.4	1287.5	1284.3
50°	1210.0	1210.0	1204.2	1200.5	1195.6
52.5°	1115.5	1114.1	1107.7	1103.7	1106.0
55°	1016.4	1015.5	1004.6	1000.6	1001.4
57.5°	907.8	909.5	892.8	888.8	888.8
60°	804.1	796.0	777.0	771.5	778.4
62.5°	695.2	685.7	665.2	665.2	670.7
65°	596.9	588.3	567.0	561.2	566.1
67.5°	505.0	497.0	477.4	474.2	475.6
70°	417.7	410.8	398.7	391.5	394.1
72.5°	342.5	336.2	328.1	322.7	319.5
75°	273.4	272.0	263.3	260.7	257.6
77.5°	216.4	215.8	208.6	205.4	202.2
80°	162.5	161.6	160.2	155.3	153.0
82.5°	115.8	115.8	115.0	110.9	108.6
85°	67.4	69.7	69.7	65.7	65.7
87.5°	27.1	28.5	27.1	27.1	26.2
90°	0.0	0.0	0.0	0.0	0.0



— 0°-180° - - 45°-225° 90°-270°

(END OF REPORT)