

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: P1046696

Luminaire Tested: 22PTR-60-L850-UNV-STD-W

Issue Date: 7/10/2025

Test Information

Test Method: LM-79-2019
Report Number: P1046696
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2310-200-1)
Test Lab: INNOVATION CENTER
Issue Date: 7/10/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: 22PTR-60-L850-UNV-STD-W
Description: 6000 LUMEN 2X2 PERCEIVE PT TROFFER WITH 5000K, 80 CRI LEDS AND FROSTED LENS

Light Source:
Ballast/Driver: -

Summary

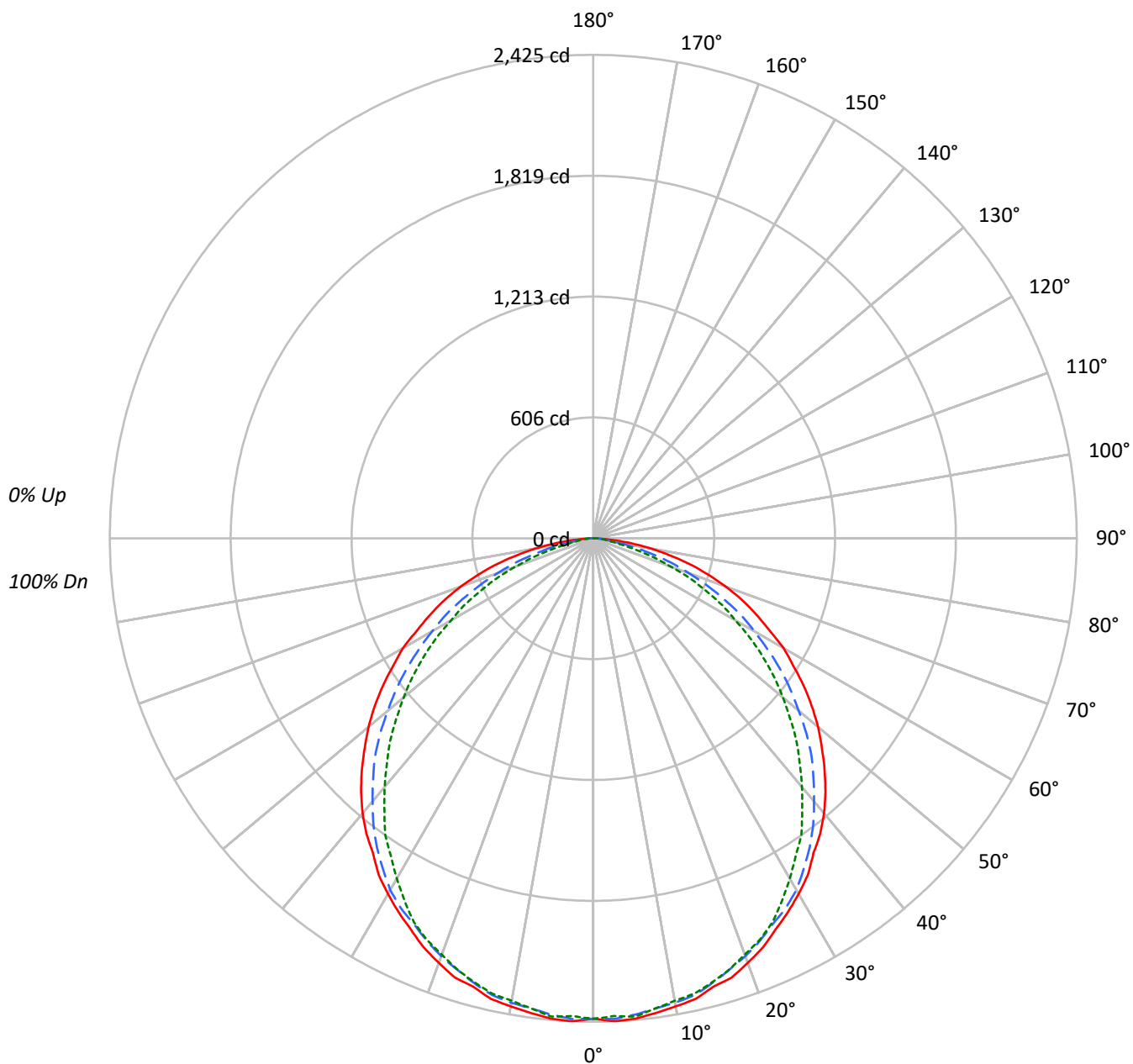
Lumens per Lamp: N/A
Luminaire Lumens: 6420.2 lumens
Efficiency: N/A
Efficacy: 123.5 lumens/watt
Spacing Criteria (0/90/45): 1.27 / 1.21 / 1.35
Luminous Opening: (L: 2 ' x W: 0 ' x H: 2 '
CIE Type: Direct

Input Watts (W): 52
Input Voltage (V): 120
Input Current (A_{in}): 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
RCR																				
0	119	119	119	119	116	116	116	116		111	111	111			106	106	106			102
1	109	105	101	97	107	103	99	96		98	95	93			95	92	90			91
2	100	92	85	80	97	90	84	79		87	81	77			83	79	75			80
3	91	81	73	67	89	79	72	66		76	70	65			74	68	64			71
4	84	72	63	57	81	71	63	56		68	61	56			66	60	55			64
5	77	64	56	49	75	63	55	49		61	54	48			59	53	48			57
6	71	58	49	43	69	57	49	43		55	48	42			54	47	42			52
7	66	53	44	38	64	52	44	38		50	43	38			49	42	37			48
8	61	48	40	34	60	47	39	34		46	39	34			45	38	33			44
9	57	44	36	31	56	44	36	30		42	35	30			41	35	30			40
10	54	41	33	28	53	40	33	28		39	32	28			38	32	27			37

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	Luminous shape not found, reference photometric report, or contact the photometric lab for calculations.		
5°			
10°			
15°			
20°			
25°			
30°			
35°			
40°			
45°			
50°			
55°			
60°			
65°			
70°			
75°			
80°			
85°			

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: -
Vertical Angle: -
Luminance: -

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	228.5	3.6
10°-20°	653.8	10.2
20°-30°	987.5	15.4
30°-40°	1174.2	18.3
40°-50°	1190.8	18.5
50°-60°	1034.1	16.1
60°-70°	734.1	11.4
70°-80°	350.8	5.5
80°-90°	66.5	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°	1869.8	29.1
0°-40°	3044.0	47.4
0°-60°	5268.8	82.1
0°-90°	6420.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6420.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2410	2410	2410	2410	2410	
5°	2419	2410	2399	2404	2409	230
15°	2328	2334	2310	2307	2306	660
25°	2165	2162	2133	2142	2126	1000
35°	1926	1924	1892	1828	1819	1211
45°	1641	1626	1549	1467	1443	1266
55°	1288	1249	1144	1077	1039	1151
65°	900	833	724	646	622	892
75°	501	409	304	241	214	525
85°	98	52	44	43	42	123
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2410.3	2410.3	2410.3	2410.3	2410.3
2.5°	2424.6	2416.0	2413.2	2423.2	2398.8
5°	2418.9	2410.3	2398.8	2404.5	2408.9
7.5°	2401.7	2394.5	2378.7	2391.6	2378.7
10°	2384.5	2377.3	2365.8	2370.1	2355.7
12.5°	2367.2	2350.0	2347.1	2350.0	2339.9
15°	2328.5	2334.2	2309.8	2306.9	2305.5
17.5°	2309.8	2295.4	2269.6	2271.0	2268.2
20°	2266.7	2249.5	2230.8	2228.0	2222.2
22.5°	2222.2	2202.1	2184.9	2193.5	2180.6
25°	2164.8	2161.9	2133.2	2141.8	2126.1
27.5°	2114.6	2104.5	2091.6	2072.9	2050.0
30°	2060.0	2050.0	2037.0	1988.2	1971.0
32.5°	2002.6	1991.1	1965.3	1907.8	1889.2
35°	1926.5	1923.6	1892.1	1827.5	1818.8
37.5°	1869.1	1837.5	1811.7	1745.6	1721.2
40°	1800.2	1783.0	1722.7	1659.5	1627.9
42.5°	1724.1	1704.0	1635.1	1567.6	1533.2
45°	1640.8	1626.5	1549.0	1467.1	1442.7
47.5°	1554.7	1541.8	1449.9	1371.0	1339.4
50°	1471.4	1455.6	1345.1	1269.0	1240.3
52.5°	1381.0	1355.2	1246.1	1171.4	1144.1
55°	1287.7	1248.9	1144.1	1076.7	1039.3
57.5°	1188.6	1152.7	1036.5	966.1	936.0
60°	1102.5	1052.3	933.1	861.3	822.6
62.5°	992.0	948.9	835.5	750.8	732.1
65°	900.1	832.6	723.5	646.0	621.6
67.5°	806.8	727.8	617.3	538.3	525.4
70°	704.9	623.0	509.6	432.1	410.6
72.5°	601.5	521.1	410.6	328.7	315.8
75°	501.0	409.1	304.3	241.2	213.9
77.5°	391.9	308.6	213.9	147.9	130.6
80°	291.4	208.2	123.5	87.6	86.1
82.5°	190.9	120.6	66.0	67.5	64.6
85°	97.6	51.7	44.5	43.1	41.6
87.5°	18.7	20.1	21.5	21.5	21.5
90°	0.0	0.0	0.0	0.0	0.0







— 0°-180° - - 45°-225° - - - 90°-270°





(END OF REPORT)