

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: P1046822

Luminaire Tested: 22PTR-60-PL1-L850-UNV-STD-W

Issue Date: 7/10/2025

Test Information

Test Method: LM-79-2019
Report Number: P1046822
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P737719)
Test Lab: INNOVATION CENTER
Issue Date: 7/10/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: 22PTR-60-PL1-L850-UNV-STD-W
Description: 6000 LUMEN 2X2 PERCEIVE PT TROFFER WITH 5000K, 80 CRI LEDS AND LEAVES LENS

Light Source:
Ballast/Driver: -

Summary

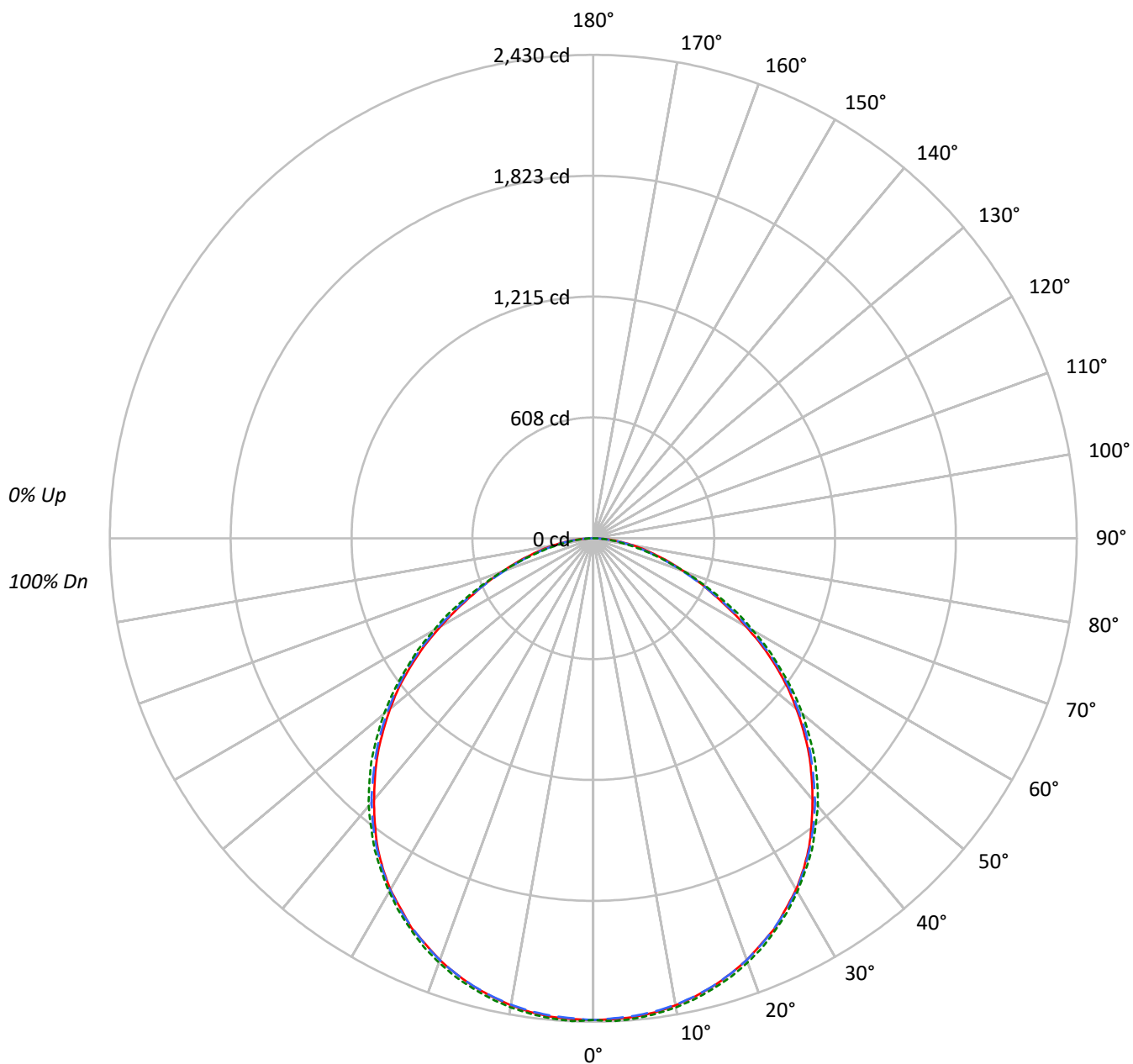
Lumens per Lamp: N/A
Luminaire Lumens: 6382.6 lumens
Efficiency: N/A
Efficacy: 122.7 lumens/watt
Spacing Criteria (0/90/45): 1.25 / 1.26 / 1.35
Luminous Opening: (L: 2 ' x W: 0 ' x H: 2 '
CIE Type: Direct

Input Watts (W): 52
Input Voltage (V): 120
Input Current (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°	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°	229.7	3.6
10°-20°	658.8	10.3
20°-30°	996.4	15.6
30°-40°	1187.7	18.6
40°-50°	1194.3	18.7
50°-60°	1013.6	15.9
60°-70°	674.9	10.6
70°-80°	337.0	5.3
80°-90°	90.2	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°	1884.9	29.5
0°-40°	3072.6	48.1
0°-60°	5280.6	82.7
0°-90°	6382.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6382.6	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2421	2421	2421	2421	2421	
5°	2414	2415	2410	2420	2423	229
15°	2331	2333	2330	2340	2342	658
25°	2161	2161	2158	2168	2170	994
35°	1892	1894	1899	1912	1914	1180
45°	1533	1536	1546	1566	1575	1179
55°	1120	1128	1138	1148	1151	998
65°	665	670	672	682	699	666
75°	328	324	309	302	303	353
85°	85	84	77	73	66	98
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2421.4	2421.4	2421.4	2421.4	2421.4
2.5°	2419.4	2421.4	2414.8	2426.6	2429.5
5°	2414.2	2414.8	2409.6	2420.4	2423.0
7.5°	2402.5	2403.4	2397.9	2409.6	2411.3
10°	2383.5	2385.5	2380.9	2391.7	2394.3
12.5°	2359.4	2362.0	2357.5	2369.2	2371.2
15°	2330.7	2333.3	2329.8	2339.5	2341.5
17.5°	2295.5	2297.5	2295.5	2304.7	2309.9
20°	2256.1	2256.1	2256.1	2264.2	2268.8
22.5°	2206.9	2211.4	2209.5	2220.2	2224.8
25°	2161.2	2161.2	2158.3	2168.4	2170.0
27.5°	2097.3	2104.5	2103.9	2112.7	2114.6
30°	2039.0	2040.9	2041.9	2048.1	2051.7
32.5°	1968.3	1969.9	1972.8	1981.6	1982.6
35°	1892.0	1893.9	1899.1	1912.5	1914.5
37.5°	1803.3	1813.1	1817.7	1832.0	1833.6
40°	1714.3	1720.5	1734.2	1749.2	1756.4
42.5°	1623.7	1630.9	1639.0	1659.6	1666.1
45°	1533.1	1535.7	1545.8	1566.3	1575.4
47.5°	1432.7	1440.8	1449.6	1467.6	1473.1
50°	1332.3	1341.1	1346.6	1362.6	1373.3
52.5°	1230.9	1239.0	1245.2	1255.0	1265.8
55°	1119.7	1127.6	1137.7	1148.4	1151.0
57.5°	1006.6	1015.4	1021.9	1033.3	1045.1
60°	885.4	895.5	904.3	915.0	926.8
62.5°	772.6	776.8	785.9	803.9	820.8
65°	664.7	670.2	671.8	681.9	698.9
67.5°	575.0	575.0	566.9	570.5	589.4
70°	480.8	477.2	471.0	467.5	482.8
72.5°	404.5	400.0	386.6	380.4	388.6
75°	328.3	323.7	309.4	302.2	303.2
77.5°	263.7	256.5	244.8	232.4	229.8
80°	200.2	197.2	185.8	174.1	164.9
82.5°	141.8	135.6	129.1	121.9	114.7
85°	85.1	83.5	77.3	72.7	66.5
87.5°	34.9	34.9	33.2	31.3	29.7
90°	0.0	0.0	0.0	0.0	0.0







— 0°-180° - - 45°-225° - - - 90°-270°







(END OF REPORT)