

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: P1046738

Luminaire Tested: 22PTR-60-PB1-L850-UNV-STD-W

Issue Date: 7/10/2025

Test Information

Test Method: LM-79-2019
Report Number: P1046738
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P737703)
Test Lab: INNOVATION CENTER
Issue Date: 7/10/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: 22PTR-60-PB1-L850-UNV-STD-W
Description: 6000 LUMEN 2X2 PERCEIVE PT TROFFER WITH 5000K, 80 CRI LEDS AND BEVEL LENS

Light Source:
Ballast/Driver: -

Summary

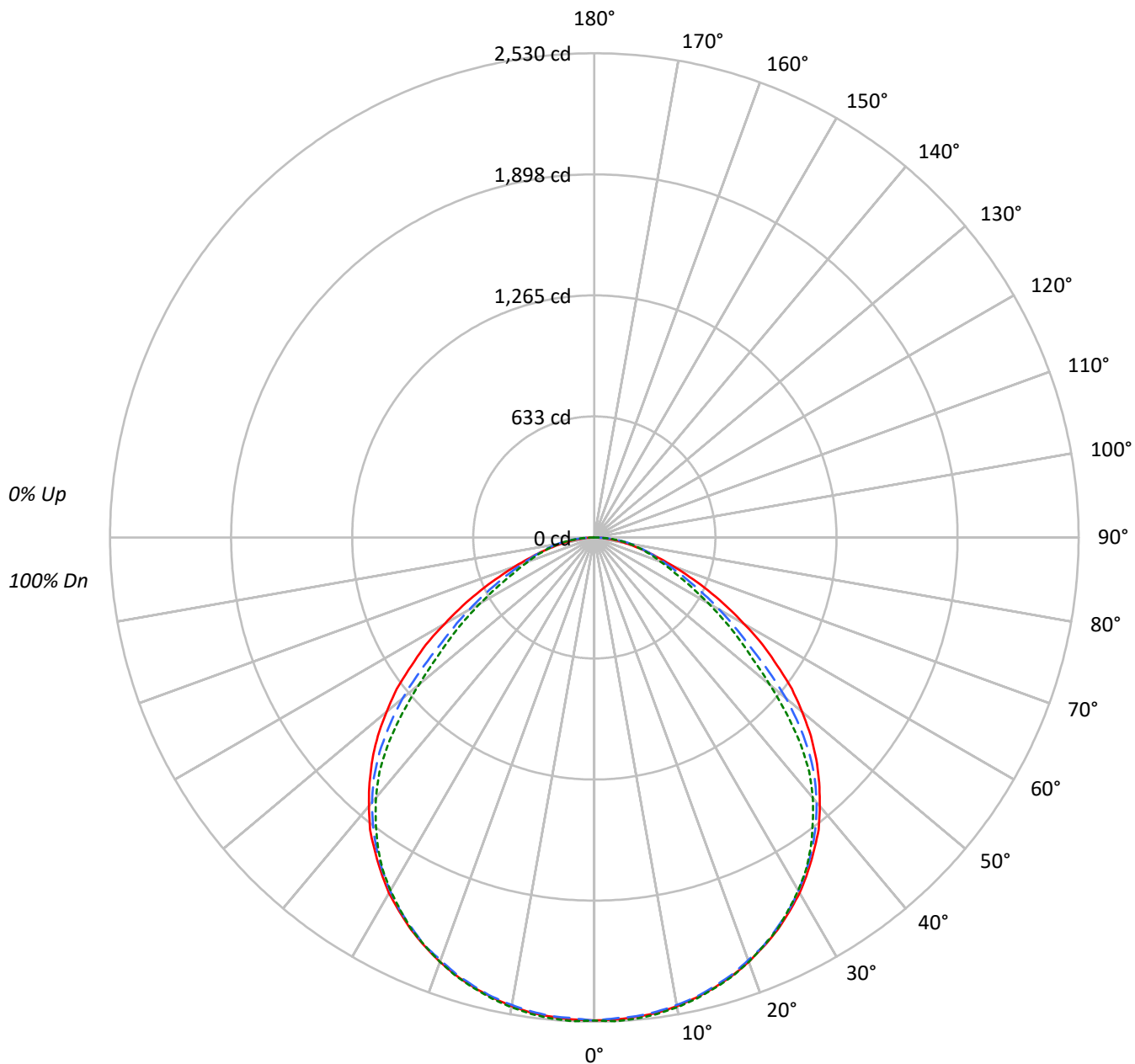
Lumens per Lamp: N/A
Luminaire Lumens: 6294.0 lumens
Efficiency: N/A
Efficacy: 121.0 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.25 / 1.34
Luminous Opening: (L: 2 ' x W: 0 ' x H: 2 '
CIE Type: Direct

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	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	93	90	91	89	88	86		
2	100	93	86	81	98	91	85	80	87	83	78	84	80	77	81	78	75	73		
3	92	82	75	69	90	81	74	68	78	72	67	75	70	66	73	68	64	62		
4	85	73	65	59	83	72	64	58	70	63	58	67	62	57	65	60	56	54		
5	78	66	57	51	76	65	57	51	63	56	50	61	55	50	59	54	49	47		
6	72	60	51	45	71	59	51	45	57	50	44	55	49	44	54	48	44	42		
7	67	54	46	40	66	53	45	40	52	45	39	51	44	39	49	43	39	37		
8	63	50	41	36	61	49	41	36	48	41	35	46	40	35	45	39	35	33		
9	59	46	38	32	57	45	37	32	44	37	32	43	36	32	42	36	32	30		
10	55	42	34	29	54	42	34	29	41	34	29	40	33	29	39	33	29	27		

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°	239.3	3.8
10°-20°	686.7	10.9
20°-30°	1040.3	16.5
30°-40°	1239.5	19.7
40°-50°	1212.1	19.3
50°-60°	916.8	14.6
60°-70°	563.3	8.9
70°-80°	300.1	4.8
80°-90°	95.7	1.5
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°	1966.3	31.2
0°-40°	3205.9	50.9
0°-60°	5334.9	84.8
0°-90°	6294.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6294.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2524	2524	2524	2524	2524	
5°	2515	2518	2512	2521	2524	239
15°	2434	2437	2428	2437	2437	687
25°	2263	2260	2254	2257	2260	1042
35°	1999	1996	1984	1975	1972	1251
45°	1639	1630	1586	1534	1521	1261
55°	1164	1105	990	934	919	1043
65°	655	602	553	509	494	652
75°	279	283	286	276	270	299
85°	62	81	99	93	87	75
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2524.1	2524.1	2524.1	2524.1	2524.1
2.5°	2521.2	2524.1	2514.7	2527.4	2530.3
5°	2514.7	2517.9	2511.7	2521.2	2524.1
7.5°	2505.5	2505.5	2499.3	2508.5	2511.7
10°	2487.0	2487.0	2480.8	2489.9	2493.1
12.5°	2462.2	2462.2	2458.9	2465.1	2468.4
15°	2434.2	2437.1	2428.0	2437.1	2437.1
17.5°	2399.9	2397.0	2393.7	2399.9	2403.2
20°	2359.5	2359.5	2350.4	2356.6	2359.5
22.5°	2312.9	2312.9	2310.0	2312.9	2310.0
25°	2263.4	2260.1	2253.9	2257.2	2260.1
27.5°	2204.4	2204.4	2198.2	2198.2	2194.9
30°	2145.4	2142.1	2133.0	2126.8	2129.7
32.5°	2074.0	2070.7	2061.6	2055.4	2058.3
35°	1999.3	1996.4	1984.0	1974.6	1971.6
37.5°	1925.0	1915.6	1899.9	1887.5	1875.2
40°	1831.8	1822.4	1807.0	1779.0	1775.7
42.5°	1738.6	1729.5	1704.4	1670.5	1661.0
45°	1639.2	1630.0	1586.4	1533.6	1521.2
47.5°	1533.6	1518.2	1449.8	1384.6	1359.8
50°	1415.9	1387.9	1307.0	1223.3	1195.2
52.5°	1300.8	1251.3	1145.7	1071.1	1043.3
55°	1164.3	1105.3	990.5	934.5	918.8
57.5°	1043.3	962.5	869.3	813.6	801.2
60°	903.5	828.9	754.6	704.7	686.1
62.5°	776.1	710.9	649.0	605.3	583.8
65°	655.1	602.3	552.8	509.1	493.8
67.5°	537.2	509.1	468.7	434.8	425.4
70°	437.7	422.1	394.4	378.7	366.4
72.5°	347.8	354.0	335.4	329.2	319.8
75°	279.3	282.6	285.5	276.4	270.2
77.5°	211.2	226.5	238.9	232.7	226.5
80°	158.4	173.7	195.6	186.4	186.4
82.5°	108.5	127.4	146.0	139.8	136.6
85°	62.3	80.8	99.4	93.2	87.0
87.5°	24.8	40.4	43.4	43.4	40.4
90°	0.0	0.0	0.0	0.0	0.0







— 0°-180° - - 45°-225° - - - 90°-270°





(END OF REPORT)