

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: P1046723

Luminaire Tested: 22PTR-60-PB1-L830-UNV-STD-W

Issue Date: 7/10/2025

Test Information

Test Method: LM-79-2019
Report Number: P1046723
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-L830-UNV-STD-W
Description: 6000 LUMEN 2X2 PERCEIVE PT TROFFER WITH 3000K, 80 CRI LEDS AND BEVEL LENS

Light Source:
Ballast/Driver: -

Summary

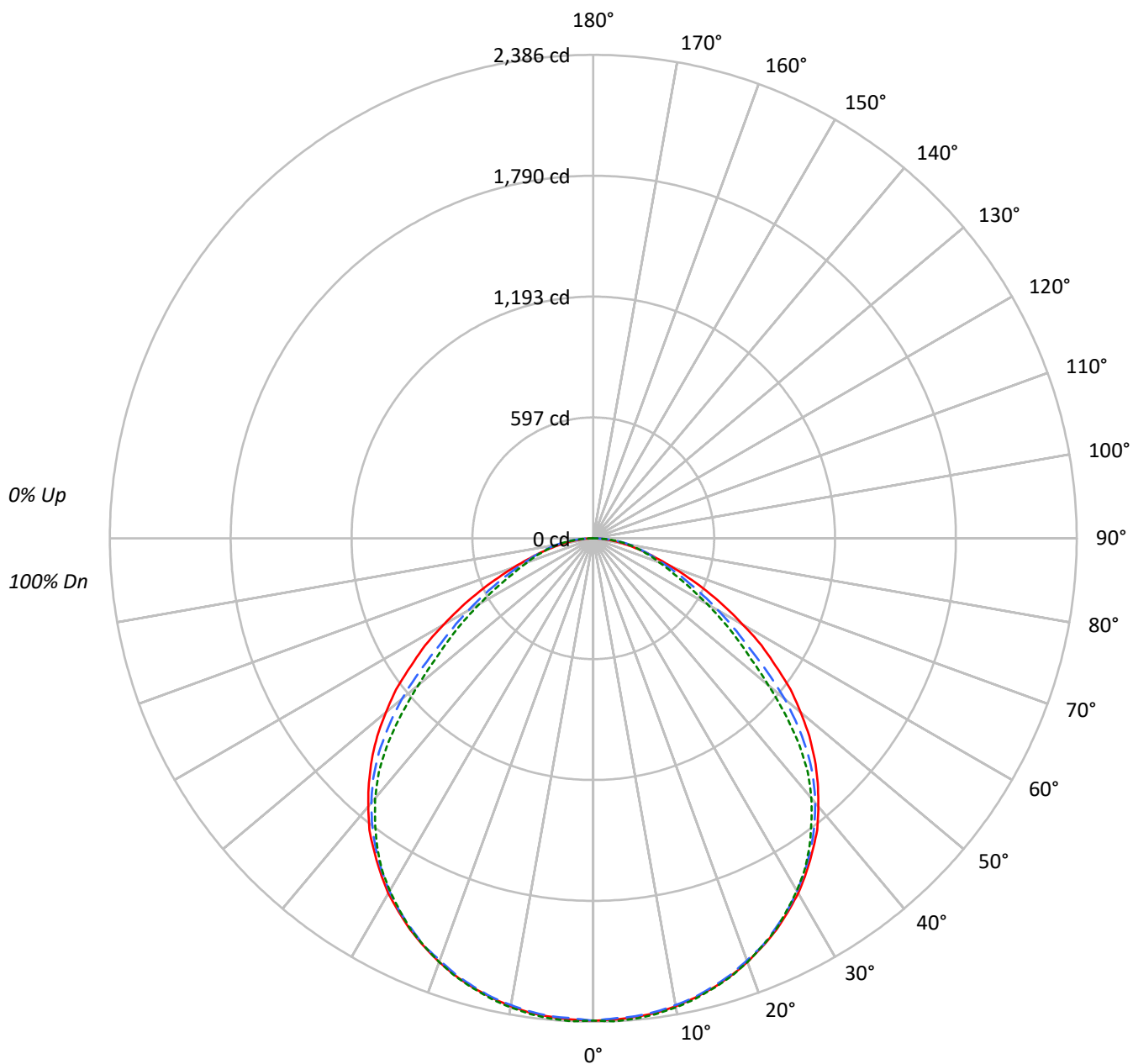
Lumens per Lamp: N/A
Luminaire Lumens: 5936.0 lumens
Efficiency: N/A
Efficacy: 114.2 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.25 / 1.34
Luminous Opening: (L: 2 ' x W: 0 ' x H: 2 '
CIE Type: Direct

Input Watts (W): 52
Input Voltage (V): 120
Input Current (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	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°	225.7	3.8
10°-20°	647.7	10.9
20°-30°	981.1	16.5
30°-40°	1169.0	19.7
40°-50°	1143.2	19.3
50°-60°	864.7	14.6
60°-70°	531.3	8.9
70°-80°	283.0	4.8
80°-90°	90.3	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°	1854.5	31.2
0°-40°	3023.5	50.9
0°-60°	5031.4	84.8
0°-90°	5936.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5936.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2380	2380	2380	2380	2380	
5°	2372	2375	2369	2378	2380	226
15°	2296	2298	2290	2298	2298	648
25°	2135	2132	2126	2129	2132	983
35°	1886	1883	1871	1862	1860	1179
45°	1546	1537	1496	1446	1435	1189
55°	1098	1042	934	881	867	983
65°	618	568	521	480	466	615
75°	263	266	269	261	255	282
85°	59	76	94	88	82	70
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2380.5	2380.5	2380.5	2380.5	2380.5
2.5°	2377.8	2380.5	2371.6	2383.6	2386.4
5°	2371.6	2374.7	2368.9	2377.8	2380.5
7.5°	2363.0	2363.0	2357.2	2365.8	2368.9
10°	2345.5	2345.5	2339.7	2348.3	2351.3
12.5°	2322.1	2322.1	2319.1	2324.9	2328.0
15°	2295.7	2298.5	2289.9	2298.5	2298.5
17.5°	2263.4	2260.7	2257.6	2263.4	2266.5
20°	2225.3	2225.3	2216.7	2222.5	2225.3
22.5°	2181.3	2181.3	2178.6	2181.3	2178.6
25°	2134.6	2131.5	2125.7	2128.8	2131.5
27.5°	2079.0	2079.0	2073.1	2073.1	2070.1
30°	2023.3	2020.3	2011.7	2005.8	2008.6
32.5°	1956.0	1952.9	1944.3	1938.5	1941.3
35°	1885.6	1882.9	1871.2	1862.3	1859.5
37.5°	1815.5	1806.6	1791.9	1780.2	1768.5
40°	1727.6	1718.7	1704.3	1677.8	1674.7
42.5°	1639.7	1631.1	1607.4	1575.4	1566.5
45°	1545.9	1537.3	1496.1	1446.3	1434.7
47.5°	1446.3	1431.9	1367.3	1305.9	1282.5
50°	1335.4	1308.9	1232.7	1153.7	1127.3
52.5°	1226.9	1180.1	1080.5	1010.1	984.0
55°	1098.0	1042.4	934.2	881.3	866.6
57.5°	984.0	907.8	819.8	767.3	755.6
60°	852.1	781.7	711.6	664.6	647.1
62.5°	731.9	670.4	612.0	570.9	550.6
65°	617.9	568.1	521.4	480.2	465.7
67.5°	506.6	480.2	442.0	410.1	401.2
70°	412.8	398.1	372.0	357.2	345.5
72.5°	328.0	333.8	316.3	310.5	301.6
75°	263.4	266.5	269.3	260.7	254.8
77.5°	199.2	213.6	225.3	219.5	213.6
80°	149.4	163.8	184.4	175.8	175.8
82.5°	102.4	120.2	137.7	131.9	128.8
85°	58.7	76.2	93.8	87.9	82.1
87.5°	23.4	38.1	40.9	40.9	38.1
90°	0.0	0.0	0.0	0.0	0.0





— 0°-180° - - 45°-225° - - - 90°-270°







(END OF REPORT)