

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: P1046849

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

Issue Date: 7/10/2025

Test Information

Test Method: LM-79-2019
Report Number: P1046849
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2409-224-3)
Test Lab: INNOVATION CENTER
Issue Date: 7/10/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: 22PTR-60-PLG-L830-UNV-STD-W
Description: 6000 LUMEN 2X2 PERCEIVE PT TROFFER WITH 3000K, 80 CRI LEDS AND LOW GLARE LENS

Light Source:
Ballast/Driver: -

Summary

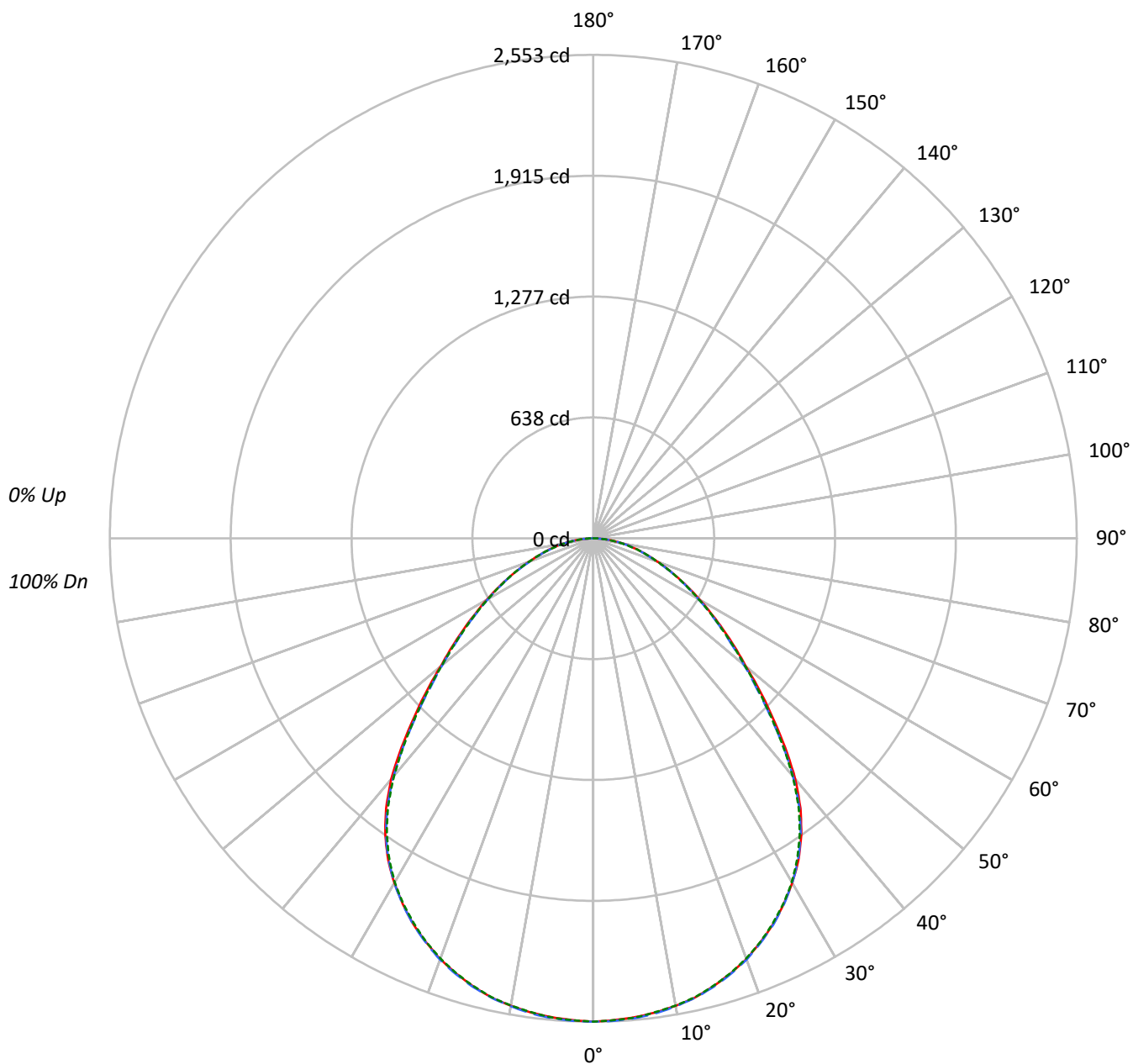
Lumens per Lamp: N/A
Luminaire Lumens: 5752.3 lumens
Efficiency: N/A
Efficacy: 110.6 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.22 / 1.26
Luminous Opening: (L: 2 ' x W: 0 ' x H: 2 '
CIE Type: Direct

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	106	102	98	107	103	100	97	99	96	94	95	93	91	92	90	88	86		
2	101	94	87	82	99	92	86	81	88	84	79	85	81	78	82	79	76	74		
3	93	83	76	70	91	82	75	69	79	73	68	76	71	67	74	69	66	64		
4	86	75	67	60	84	73	66	60	71	64	59	69	63	58	67	62	58	56		
5	79	67	59	53	77	66	58	53	64	57	52	62	56	51	61	55	51	49		
6	74	61	53	47	72	60	52	47	58	51	46	57	51	46	55	50	45	43		
7	69	56	48	42	67	55	47	42	54	46	41	52	46	41	51	45	41	39		
8	64	51	43	38	62	51	43	38	49	42	37	48	42	37	47	41	37	35		
9	60	47	39	34	59	47	39	34	46	39	34	44	38	34	43	38	34	32		
10	56	44	36	31	55	43	36	31	42	36	31	41	35	31	40	35	31	29		

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°	241.7	4.2
10°-20°	691.6	12.0
20°-30°	1034.8	18.0
30°-40°	1185.6	20.6
40°-50°	1025.4	17.8
50°-60°	742.1	12.9
60°-70°	488.8	8.5
70°-80°	266.1	4.6
80°-90°	76.3	1.3
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°	1968.1	34.2
0°-40°	3153.7	54.8
0°-60°	4921.2	85.6
0°-90°	5752.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5752.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2553	2553	2553	2553	2553	
5°	2538	2544	2544	2544	2540	241
15°	2450	2451	2453	2457	2448	691
25°	2248	2248	2250	2252	2243	1034
35°	1915	1913	1910	1908	1901	1190
45°	1339	1335	1317	1315	1323	1037
55°	833	830	821	815	823	750
65°	493	496	489	486	491	492
75°	252	252	248	248	252	268
85°	67	67	67	69	60	78
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2552.9	2552.9	2552.9	2552.9	2552.9
2.5°	2547.4	2552.9	2551.1	2552.9	2547.4
5°	2538.4	2543.8	2543.8	2543.8	2540.2
7.5°	2525.7	2529.3	2531.1	2532.9	2523.9
10°	2507.6	2511.2	2509.4	2513.0	2505.8
12.5°	2484.0	2484.0	2485.8	2489.5	2482.2
15°	2449.6	2451.4	2453.2	2456.8	2447.8
17.5°	2409.7	2411.6	2413.4	2415.2	2407.9
20°	2364.4	2364.4	2368.1	2369.9	2360.8
22.5°	2308.3	2308.3	2311.9	2317.3	2306.5
25°	2248.5	2248.5	2250.3	2252.1	2243.0
27.5°	2177.8	2177.8	2179.6	2185.1	2174.2
30°	2101.7	2099.9	2101.7	2103.5	2096.3
32.5°	2016.6	2014.8	2012.9	2014.8	2005.7
35°	1915.1	1913.3	1909.7	1907.9	1900.6
37.5°	1797.3	1793.7	1786.5	1786.5	1779.2
40°	1659.6	1650.6	1641.5	1637.9	1636.1
42.5°	1500.2	1493.0	1480.3	1478.5	1478.5
45°	1338.9	1335.3	1317.2	1315.4	1322.6
47.5°	1194.0	1184.9	1168.6	1165.0	1175.9
50°	1050.9	1052.7	1038.2	1032.7	1043.6
52.5°	938.5	934.9	922.2	918.6	927.7
55°	833.4	829.8	820.8	815.3	822.6
57.5°	737.4	735.6	726.5	724.7	728.4
60°	650.4	648.6	641.4	639.6	641.4
62.5°	568.9	568.9	561.7	558.0	563.5
65°	492.8	496.4	489.2	485.6	491.0
67.5°	424.0	427.6	420.3	416.7	424.0
70°	358.7	362.4	355.1	351.5	358.7
72.5°	302.6	304.4	299.0	297.1	306.2
75°	251.8	251.8	248.2	248.2	251.8
77.5°	204.7	202.9	201.1	201.1	197.5
80°	157.6	155.8	155.8	155.8	150.4
82.5°	112.3	108.7	110.5	112.3	103.3
85°	67.0	67.0	67.0	68.8	59.8
87.5°	27.2	27.2	25.4	27.2	23.6
90°	0.0	0.0	0.0	0.0	0.0





— 0°-180° - - 45°-225° - - - 90°-270°







(END OF REPORT)