

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: P1046985

Luminaire Tested: 22PTR-60-PW1-L840-UNV-STD-W

Issue Date: 7/10/2025

Test Information

Test Method: LM-79-2019
Report Number: P1046985
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P737743)
Test Lab: INNOVATION CENTER
Issue Date: 7/10/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: 22PTR-60-PW1-L840-UNV-STD-W
Description: 6000 LUMEN 2X2 PERCEIVE PT TROFFER WITH 4000K, 80 CRI LEDS AND WAVES LENS

Light Source:
Ballast/Driver: -

Summary

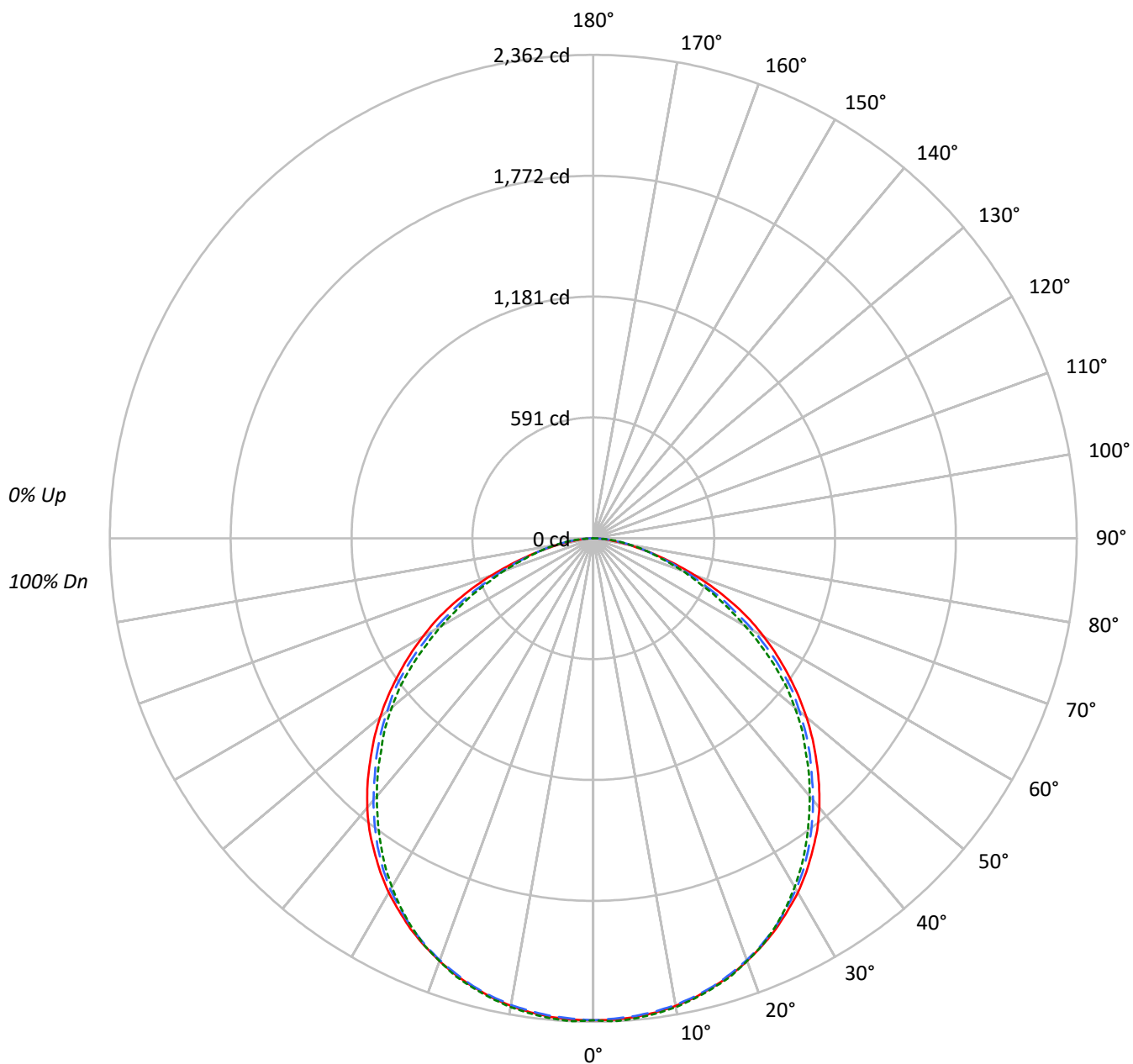
Lumens per Lamp: N/A
Luminaire Lumens: 6249.7 lumens
Efficiency: N/A
Efficacy: 120.2 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.24 / 1.34
Luminous Opening: (L: 2 ' x W: 0 ' x H: 2 '
CIE Type: Direct

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	109	105	101	97	107	103	99	95	98	95	92	94	92	90	91	89	87	85		
2	100	92	85	80	97	90	84	79	86	81	77	83	79	75	80	77	74	71		
3	91	81	73	67	89	79	72	66	76	70	65	74	68	64	71	67	63	61		
4	84	72	63	57	81	71	63	57	68	61	56	66	60	55	64	59	54	52		
5	77	64	56	49	75	63	55	49	61	54	48	59	53	48	57	52	47	45		
6	71	58	49	43	69	57	49	43	55	48	42	54	47	42	52	46	42	40		
7	66	53	44	38	64	52	44	38	50	43	38	49	42	37	48	42	37	35		
8	62	48	40	34	60	48	40	34	46	39	34	45	38	34	44	38	33	31		
9	58	44	36	31	56	44	36	31	43	35	30	41	35	30	40	34	30	28		
10	54	41	33	28	53	40	33	28	39	32	28	38	32	28	38	32	27	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°	223.3	3.6
10°-20°	640.6	10.2
20°-30°	968.1	15.5
30°-40°	1149.6	18.4
40°-50°	1158.2	18.5
50°-60°	1001.1	16.0
60°-70°	684.2	10.9
70°-80°	337.4	5.4
80°-90°	87.3	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°	1832.1	29.3
0°-40°	2981.6	47.7
0°-60°	5140.8	82.3
0°-90°	6249.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6249.7	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2355	2355	2355	2355	2355	
5°	2348	2349	2343	2352	2355	223
15°	2269	2271	2265	2273	2274	640
25°	2108	2106	2099	2101	2098	971
35°	1866	1859	1838	1821	1814	1168
45°	1542	1525	1496	1479	1466	1190
55°	1162	1159	1123	1090	1078	1039
65°	751	724	682	653	648	742
75°	318	316	311	311	303	347
85°	60	71	78	79	78	74
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2355.0	2355.0	2355.0	2355.0	2355.0
2.5°	2354.4	2355.0	2349.0	2359.4	2362.0
5°	2348.0	2349.0	2342.9	2352.5	2355.0
7.5°	2336.9	2338.5	2331.5	2341.0	2342.9
10°	2320.1	2321.1	2315.0	2324.6	2326.5
12.5°	2297.6	2298.2	2293.2	2301.7	2301.7
15°	2268.7	2271.3	2265.3	2273.2	2273.8
17.5°	2236.4	2237.4	2231.3	2239.9	2241.8
20°	2198.0	2198.0	2193.0	2199.9	2198.0
22.5°	2155.2	2155.2	2149.2	2152.7	2154.3
25°	2108.3	2106.4	2099.4	2101.3	2097.8
27.5°	2054.1	2054.1	2041.7	2041.7	2035.7
30°	1999.2	1994.8	1981.8	1973.9	1967.8
32.5°	1936.1	1930.1	1913.6	1899.7	1895.2
35°	1865.7	1859.4	1837.5	1821.0	1814.0
37.5°	1797.6	1783.6	1754.8	1738.3	1730.3
40°	1718.0	1700.5	1671.0	1648.2	1644.7
42.5°	1632.7	1618.7	1580.4	1563.5	1559.4
45°	1542.0	1525.2	1496.3	1478.9	1465.9
47.5°	1452.9	1440.5	1407.5	1386.6	1382.2
50°	1359.3	1348.9	1315.0	1292.4	1284.5
52.5°	1262.6	1255.7	1226.8	1197.9	1188.4
55°	1162.4	1158.9	1123.1	1089.8	1078.4
57.5°	1063.8	1059.4	1014.7	976.3	965.8
60°	960.8	947.8	904.0	868.2	856.8
62.5°	863.1	835.2	788.0	760.1	747.1
65°	751.2	724.2	682.4	652.6	648.4
67.5°	641.5	609.1	576.8	558.4	544.4
70°	527.0	505.1	480.7	465.2	462.6
72.5°	420.5	404.9	392.6	383.0	375.1
75°	318.4	315.8	311.4	311.4	302.8
77.5°	234.0	240.0	243.5	242.6	244.5
80°	162.3	174.4	181.4	182.3	181.4
82.5°	103.1	117.0	128.4	130.0	131.9
85°	60.2	70.7	77.7	79.3	77.7
87.5°	27.0	33.9	35.8	37.4	35.8
90°	0.0	0.0	0.0	0.0	0.0

Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report







— 0°-180° - - 45°-225° - - - 90°-270°





(END OF REPORT)