

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: P1046943

Luminaire Tested: 22PTR-60-PR1-L840-UNV-STD-W

Issue Date: 7/10/2025

Test Information

Test Method: LM-79-2019
Report Number: P1046943
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P737735)
Test Lab: INNOVATION CENTER
Issue Date: 7/10/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: 22PTR-60-PR1-L840-UNV-STD-W
Description: 6000 LUMEN 2X2 PERCEIVE PT TROFFER WITH 4000K, 80 CRI LEDS AND RIPPLE LENS

Light Source:
Ballast/Driver: -

Summary

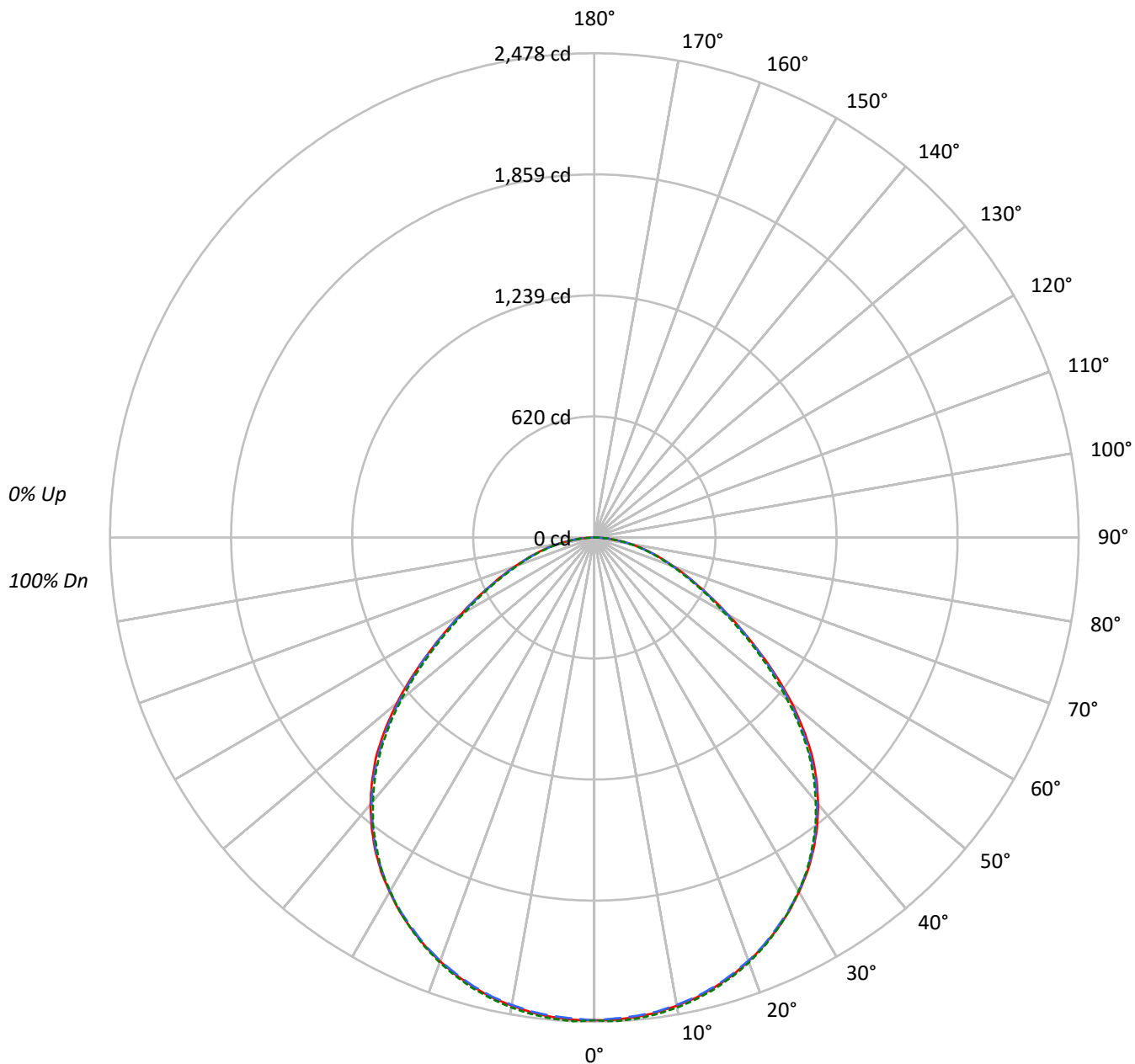
Lumens per Lamp: N/A
Luminaire Lumens: 6249.7 lumens
Efficiency: N/A
Efficacy: 120.2 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.26 / 1.34
Luminous Opening: (L: 2 ' x W: 0 ' x H: 2 '
CIE Type: Direct

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	92	90	91	89	88	85		
2	100	93	86	81	98	91	85	80	87	82	78	84	80	76	81	78	75	73		
3	92	82	74	68	90	80	73	68	78	71	66	75	70	65	72	68	64	62		
4	85	73	65	58	82	72	64	58	69	63	57	67	61	56	65	60	56	54		
5	78	66	57	51	76	65	56	50	62	55	50	61	54	49	59	53	49	47		
6	72	59	51	45	70	58	50	44	57	49	44	55	49	44	53	48	43	41		
7	67	54	45	40	65	53	45	39	52	44	39	50	44	39	49	43	39	37		
8	62	49	41	35	61	49	41	35	47	40	35	46	40	35	45	39	35	33		
9	58	45	37	32	57	45	37	32	44	37	32	43	36	32	42	36	31	30		
10	55	42	34	29	54	41	34	29	40	34	29	39	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°	234.4	3.8
10°-20°	672.8	10.8
20°-30°	1019.3	16.3
30°-40°	1216.8	19.5
40°-50°	1196.6	19.1
50°-60°	924.9	14.8
60°-70°	583.2	9.3
70°-80°	315.5	5.0
80°-90°	86.2	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°	1926.5	30.8
0°-40°	3143.3	50.3
0°-60°	5264.9	84.2
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°	2471	2471	2471	2471	2471	
5°	2464	2465	2459	2469	2472	234
15°	2383	2383	2379	2387	2390	672
25°	2212	2214	2206	2214	2214	1019
35°	1954	1955	1950	1947	1942	1220
45°	1576	1570	1558	1546	1547	1207
55°	1041	1049	1036	1020	1016	934
65°	587	588	584	574	572	591
75°	302	299	295	297	290	321
85°	73	74	73	73	70	87
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2471.2	2471.2	2471.2	2471.2	2471.2
2.5°	2470.3	2471.2	2464.1	2475.7	2478.3
5°	2464.1	2465.1	2458.7	2469.3	2472.2
7.5°	2451.6	2453.5	2447.4	2458.0	2460.6
10°	2433.9	2435.8	2429.7	2440.3	2442.9
12.5°	2412.0	2412.7	2407.5	2417.2	2419.7
15°	2382.7	2383.4	2379.2	2386.9	2390.5
17.5°	2348.9	2349.9	2343.8	2353.4	2355.1
20°	2308.4	2309.0	2305.5	2313.5	2314.5
22.5°	2263.0	2264.9	2259.5	2266.6	2267.5
25°	2211.8	2213.5	2206.4	2213.5	2214.4
27.5°	2157.8	2158.4	2152.3	2157.8	2156.8
30°	2094.7	2100.2	2092.1	2090.2	2089.6
32.5°	2029.4	2030.0	2022.3	2020.4	2023.9
35°	1954.1	1954.7	1949.6	1947.0	1941.5
37.5°	1871.7	1871.7	1861.7	1860.1	1859.1
40°	1781.3	1780.3	1774.2	1768.1	1761.6
42.5°	1682.8	1684.7	1672.2	1661.5	1659.9
45°	1575.6	1569.5	1557.9	1545.7	1546.7
47.5°	1449.1	1450.7	1435.0	1425.0	1422.4
50°	1317.8	1317.8	1303.0	1292.4	1286.9
52.5°	1180.7	1181.7	1167.6	1153.4	1150.5
55°	1040.8	1049.4	1036.2	1019.5	1016.0
57.5°	909.8	916.9	904.3	886.6	885.6
60°	788.5	789.1	785.6	768.8	764.3
62.5°	684.8	680.3	678.4	669.7	664.2
65°	587.3	588.3	583.8	573.8	572.2
67.5°	508.5	507.5	499.5	493.3	489.8
70°	431.2	428.7	425.1	420.0	416.4
72.5°	362.4	362.4	359.5	357.9	351.7
75°	302.2	298.6	295.1	296.7	289.6
77.5°	244.6	241.0	238.1	234.6	233.0
80°	185.0	181.5	182.5	177.0	176.4
82.5°	128.4	128.4	126.8	122.3	123.3
85°	73.4	74.3	72.7	73.4	69.8
87.5°	26.7	27.4	29.3	27.4	27.4
90°	0.0	0.0	0.0	0.0	0.0







— 0°-180° - - 45°-225° - - - 90°-270°



(END OF REPORT)