

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: P1046948

Luminaire Tested: 22PTR-60-PR1-L850-UNV-STD-W

Issue Date: 7/10/2025

Test Information

Test Method: LM-79-2019
Report Number: P1046948
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-L850-UNV-STD-W
Description: 6000 LUMEN 2X2 PERCEIVE PT TROFFER WITH 5000K, 80 CRI LEDS AND RIPPLE LENS

Light Source:
Ballast/Driver: -

Summary

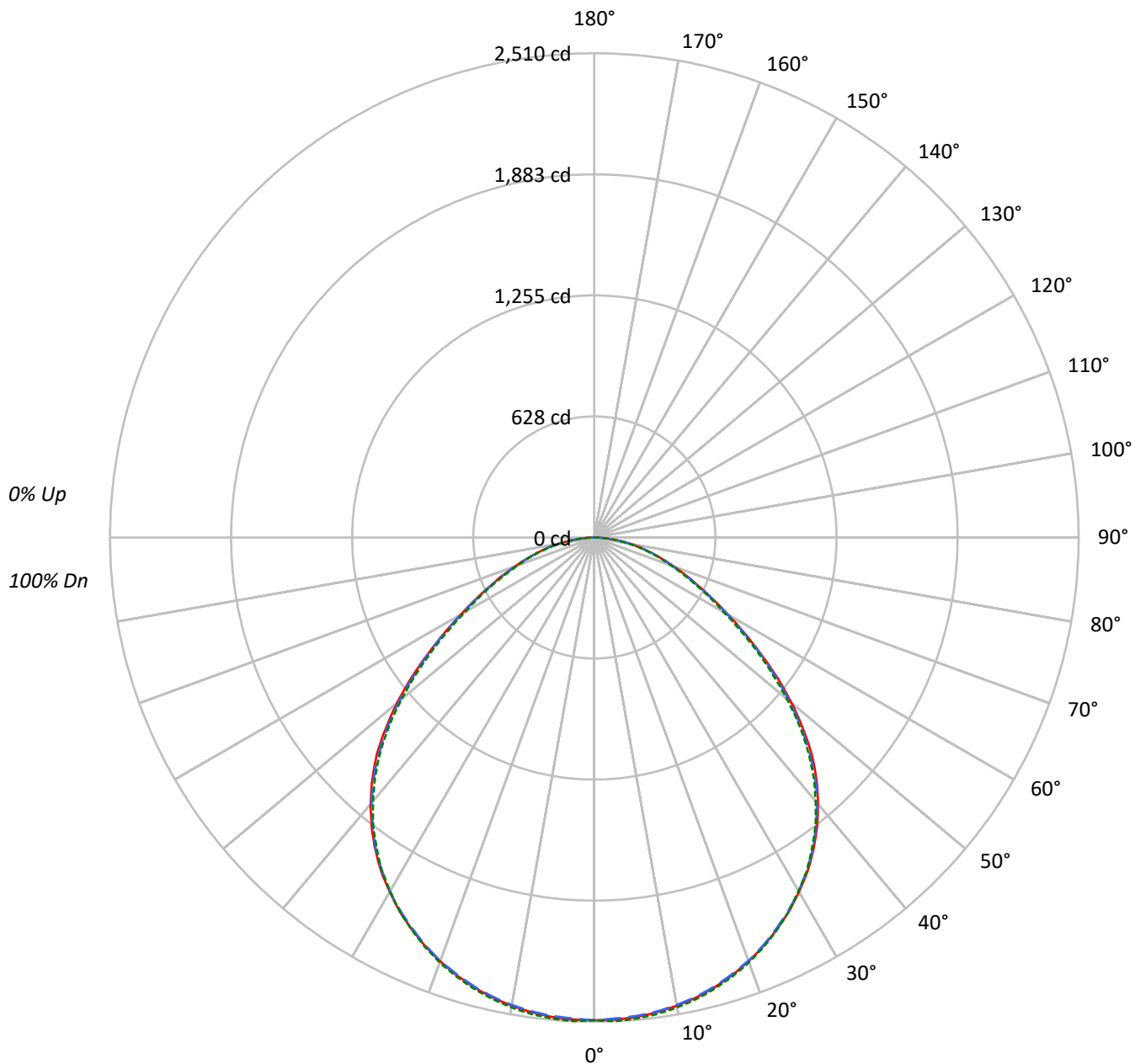
Lumens per Lamp: N/A
Luminaire Lumens: 6329.2 lumens
Efficiency: N/A
Efficacy: 121.7 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.26 / 1.34
Luminous Opening: (L: 2 ' x W: 0 ' x H: 2 '
CIE Type: Direct

Input Watts (W): 52
Input Voltage (V): 120
Input Current (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	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°	237.4	3.8
10°-20°	681.4	10.8
20°-30°	1032.3	16.3
30°-40°	1232.3	19.5
40°-50°	1211.9	19.1
50°-60°	936.7	14.8
60°-70°	590.6	9.3
70°-80°	319.5	5.0
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°	1951.0	30.8
0°-40°	3183.4	50.3
0°-60°	5331.9	84.2
0°-90°	6329.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6329.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2503	2503	2503	2503	2503	
5°	2496	2496	2490	2501	2504	237
15°	2413	2414	2410	2417	2421	681
25°	2240	2242	2234	2242	2243	1032
35°	1979	1980	1974	1972	1966	1236
45°	1596	1590	1578	1565	1566	1222
55°	1054	1063	1049	1032	1029	946
65°	595	596	591	581	580	598
75°	306	302	299	300	293	325
85°	74	75	74	74	71	88
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2502.7	2502.7	2502.7	2502.7	2502.7
2.5°	2501.7	2502.7	2495.5	2507.2	2509.9
5°	2495.5	2496.5	2490.0	2500.7	2503.7
7.5°	2482.8	2484.8	2478.6	2489.3	2491.9
10°	2464.9	2466.8	2460.6	2471.4	2474.0
12.5°	2442.7	2443.4	2438.1	2447.9	2450.5
15°	2413.1	2413.7	2409.5	2417.3	2420.9
17.5°	2378.8	2379.8	2373.6	2383.4	2385.0
20°	2337.8	2338.4	2334.8	2343.0	2344.0
22.5°	2291.8	2293.8	2288.2	2295.4	2296.4
25°	2240.0	2241.6	2234.5	2241.6	2242.6
27.5°	2185.2	2185.9	2179.7	2185.2	2184.3
30°	2121.4	2126.9	2118.8	2116.8	2116.1
32.5°	2055.2	2055.9	2048.0	2046.1	2049.7
35°	1978.9	1979.6	1974.4	1971.8	1966.2
37.5°	1895.5	1895.5	1885.4	1883.8	1882.8
40°	1803.9	1802.9	1796.8	1790.6	1784.0
42.5°	1704.2	1706.2	1693.4	1682.7	1681.1
45°	1595.7	1589.5	1577.7	1565.4	1566.3
47.5°	1467.6	1469.2	1453.2	1443.1	1440.5
50°	1334.6	1334.6	1319.6	1308.9	1303.3
52.5°	1195.8	1196.7	1182.4	1168.1	1165.1
55°	1054.0	1062.8	1049.4	1032.5	1028.9
57.5°	921.4	928.5	915.8	897.9	896.9
60°	798.5	799.1	795.6	778.6	774.0
62.5°	693.5	689.0	687.0	678.2	672.7
65°	594.8	595.8	591.2	581.1	579.5
67.5°	514.9	514.0	505.8	499.6	496.0
70°	436.7	434.1	430.5	425.3	421.7
72.5°	367.0	367.0	364.0	362.4	356.2
75°	306.0	302.4	298.9	300.5	293.3
77.5°	247.7	244.1	241.2	237.6	236.0
80°	187.4	183.8	184.8	179.3	178.6
82.5°	130.0	130.0	128.4	123.8	124.8
85°	74.3	75.3	73.7	74.3	70.7
87.5°	27.1	27.7	29.7	27.7	27.7
90°	0.0	0.0	0.0	0.0	0.0







— 0°-180° - - 45°-225° - - - 90°-270°





(END OF REPORT)