

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: P1046990

Luminaire Tested: 22PTR-60-PW1-L850-UNV-STD-W

Issue Date: 7/10/2025

Test Information

Test Method: LM-79-2019
Report Number: P1046990
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-L850-UNV-STD-W
Description: 6000 LUMEN 2X2 PERCEIVE PT TROFFER WITH 5000K, 80 CRI LEDS AND WAVES LENS

Light Source:
Ballast/Driver: -

Summary

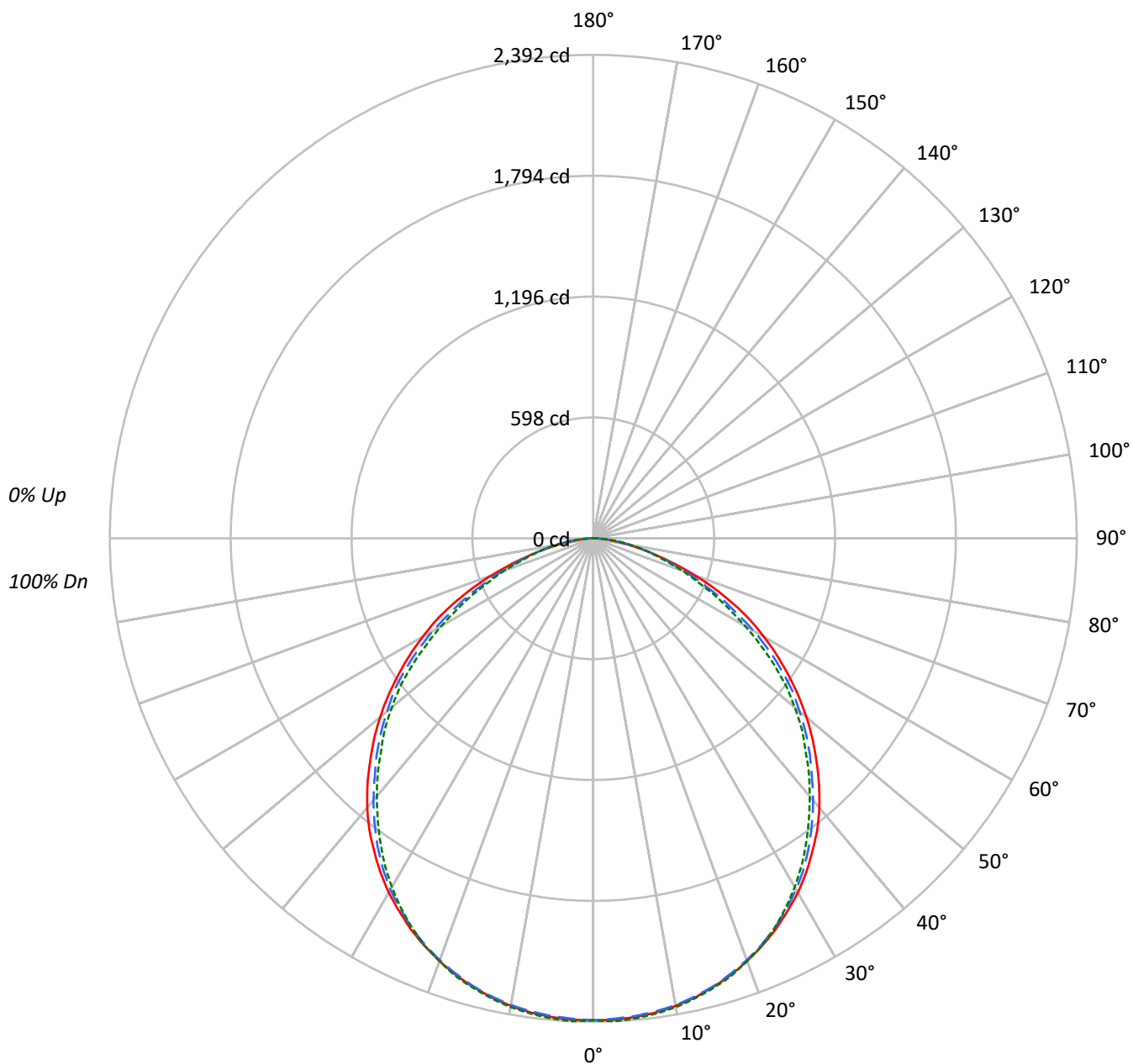
Lumens per Lamp: N/A
Luminaire Lumens: 6329.3 lumens
Efficiency: N/A
Efficacy: 121.7 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.24 / 1.34
Luminous Opening: (L: 2 ' x W: 0 ' x H: 2 '
CIE Type: Direct

Input Watts (W): 52
Input Voltage (V): 120
Input Current (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	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°	226.2	3.6
10°-20°	648.7	10.2
20°-30°	980.5	15.5
30°-40°	1164.2	18.4
40°-50°	1172.9	18.5
50°-60°	1013.8	16.0
60°-70°	692.9	10.9
70°-80°	341.7	5.4
80°-90°	88.4	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°	1855.4	29.3
0°-40°	3019.6	47.7
0°-60°	5206.3	82.3
0°-90°	6329.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6329.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2385	2385	2385	2385	2385	
5°	2378	2379	2373	2382	2385	226
15°	2298	2300	2294	2302	2303	649
25°	2135	2133	2126	2128	2124	984
35°	1890	1883	1861	1844	1837	1183
45°	1562	1545	1515	1498	1484	1205
55°	1177	1174	1137	1104	1092	1053
65°	761	733	691	661	657	751
75°	322	320	315	315	307	351
85°	61	72	79	80	79	75
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2385.0	2385.0	2385.0	2385.0	2385.0
2.5°	2384.3	2385.0	2378.9	2389.5	2392.0
5°	2377.9	2378.9	2372.8	2382.4	2385.0
7.5°	2366.7	2368.3	2361.2	2370.8	2372.8
10°	2349.6	2350.6	2344.5	2354.1	2356.1
12.5°	2326.8	2327.5	2322.3	2331.0	2331.0
15°	2297.6	2300.2	2294.1	2302.1	2302.8
17.5°	2264.9	2265.8	2259.7	2268.4	2270.3
20°	2226.0	2226.0	2220.9	2227.9	2226.0
22.5°	2182.7	2182.7	2176.6	2180.1	2181.7
25°	2135.1	2133.2	2126.1	2128.1	2124.5
27.5°	2080.2	2080.2	2067.7	2067.7	2061.6
30°	2024.7	2020.2	2007.0	1999.0	1992.9
32.5°	1960.8	1954.7	1938.0	1923.8	1919.3
35°	1889.5	1883.1	1860.9	1844.2	1837.1
37.5°	1820.4	1806.3	1777.1	1760.4	1752.4
40°	1739.8	1722.2	1692.3	1669.2	1665.7
42.5°	1653.5	1639.3	1600.5	1583.4	1579.3
45°	1561.6	1544.6	1515.4	1497.7	1484.5
47.5°	1471.4	1458.9	1425.5	1404.3	1399.8
50°	1376.6	1366.0	1331.7	1308.9	1300.9
52.5°	1278.7	1271.6	1242.4	1213.2	1203.6
55°	1177.2	1173.7	1137.4	1103.7	1092.1
57.5°	1077.4	1072.9	1027.6	988.7	978.1
60°	973.0	959.8	915.5	879.2	867.7
62.5°	874.1	845.8	798.0	769.7	756.6
65°	760.7	733.4	691.1	660.9	656.7
67.5°	649.6	616.9	584.1	565.5	551.4
70°	533.7	511.5	486.8	471.1	468.5
72.5°	425.8	410.1	397.5	387.9	379.9
75°	322.4	319.8	315.3	315.3	306.7
77.5°	237.0	243.1	246.6	245.7	247.6
80°	164.4	176.6	183.7	184.6	183.7
82.5°	104.4	118.5	130.1	131.7	133.6
85°	61.0	71.6	78.7	80.3	78.7
87.5°	27.3	34.4	36.3	37.9	36.3
90°	0.0	0.0	0.0	0.0	0.0







— 0°-180° - - 45°-225° - - - 90°-270°





(END OF REPORT)