

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: P1051043

Luminaire Tested: 24PTR-60-PW1-L850-UNV-STD-W

Issue Date: 7/11/2025

Test Information

Test Method: LM-79-2019
Report Number: P1051043
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P737743)
Test Lab: INNOVATION CENTER
Issue Date: 7/11/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: 24PTR-60-PW1-L850-UNV-STD-W
Description: 6000 LUMEN 2X4 PERCEIVE PT TROFFER WITH 5000K, 80 CRI LEDS AND WAVES LENS

Light Source:
Ballast/Driver: -

Summary

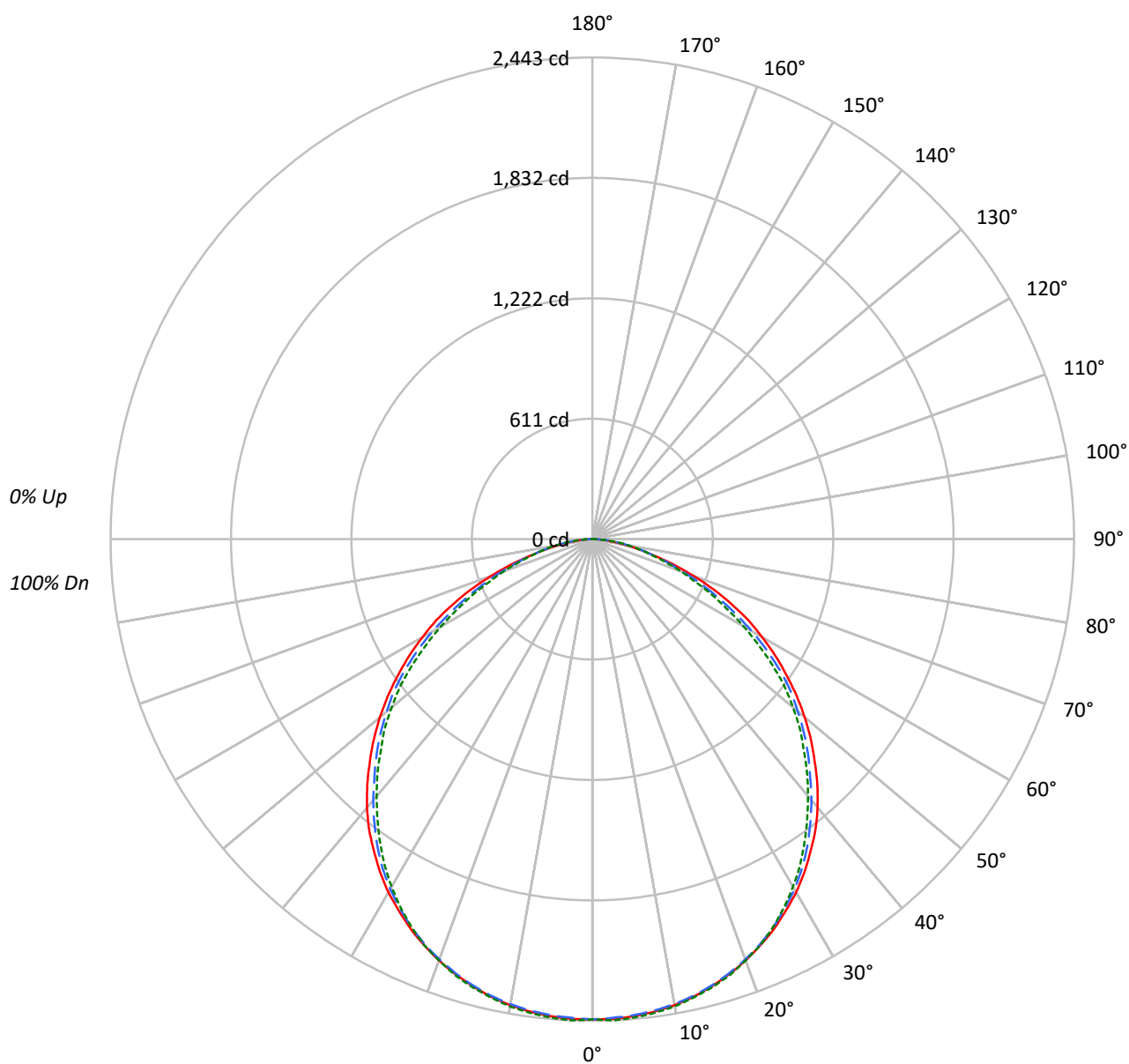
Lumens per Lamp: N/A
Luminaire Lumens: 6465.1 lumens
Efficiency: N/A
Efficacy: 126.8 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.24 / 1.34
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 51
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	102	102	100
1	109	105	101	97	107	103	99	95	98	95	92	94	92	90	91	89	87	87	87	85
2	100	92	85	80	97	90	84	79	86	81	77	83	79	75	80	77	74	74	74	71
3	91	81	73	67	89	79	72	66	76	70	65	74	68	64	71	67	63	63	63	61
4	84	72	63	57	81	71	63	57	68	61	56	66	60	55	64	59	54	54	54	52
5	77	64	56	49	75	63	55	49	61	54	48	59	53	48	57	52	47	47	47	45
6	71	58	49	43	69	57	49	43	55	48	42	54	47	42	52	46	42	42	42	40
7	66	53	44	38	64	52	44	38	50	43	38	49	42	37	48	42	37	37	37	35
8	62	48	40	34	60	48	40	34	46	39	34	45	38	34	44	38	33	33	33	31
9	58	44	36	31	56	44	36	31	43	35	30	41	35	30	40	34	30	30	30	28
10	54	41	33	28	53	40	33	28	39	32	28	38	32	28	38	32	27	27	27	26

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	3278	3278	3278
5°	3281	3274	3290
10°	3279	3272	3288
15°	3269	3264	3277
20°	3256	3248	3256
25°	3238	3224	3222
30°	3213	3185	3163
35°	3170	3122	3082
40°	3121	3036	2988
45°	3035	2945	2885
50°	2943	2847	2781
55°	2821	2725	2617
60°	2675	2517	2385
65°	2474	2247	2136
70°	2145	1956	1883
75°	1712	1674	1629
80°	1301	1454	1454
85°	962	1241	1241

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 3035 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	231.0	3.6
10°-20°	662.7	10.2
20°-30°	1001.5	15.5
30°-40°	1189.2	18.4
40°-50°	1198.1	18.5
50°-60°	1035.6	16.0
60°-70°	707.8	10.9
70°-80°	349.0	5.4
80°-90°	90.3	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°	1895.2	29.3
0°-40°	3084.4	47.7
0°-60°	5318.0	82.3
0°-90°	6465.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6465.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2436	2436	2436	2436	2436	
5°	2429	2430	2424	2434	2436	231
15°	2347	2350	2343	2352	2352	662
25°	2181	2179	2172	2174	2170	1005
35°	1930	1924	1901	1884	1877	1208
45°	1595	1578	1548	1530	1516	1231
55°	1202	1199	1162	1127	1116	1075
65°	777	749	706	675	671	767
75°	329	327	322	322	313	359
85°	62	73	80	82	80	76
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2436.1	2436.1	2436.1	2436.1	2436.1
2.5°	2435.5	2436.1	2429.9	2440.7	2443.4
5°	2428.9	2429.9	2423.7	2433.5	2436.1
7.5°	2417.4	2419.1	2411.9	2421.7	2423.7
10°	2400.1	2401.0	2394.8	2404.7	2406.6
12.5°	2376.8	2377.4	2372.2	2381.0	2381.0
15°	2346.9	2349.5	2343.3	2351.5	2352.2
17.5°	2313.5	2314.4	2308.2	2317.1	2319.0
20°	2273.8	2273.8	2268.5	2275.7	2273.8
22.5°	2229.5	2229.5	2223.3	2226.9	2228.5
25°	2180.9	2179.0	2171.8	2173.7	2170.1
27.5°	2124.9	2124.9	2112.1	2112.1	2105.8
30°	2068.1	2063.5	2050.1	2041.9	2035.6
32.5°	2002.8	1996.6	1979.5	1965.1	1960.5
35°	1930.0	1923.5	1900.8	1883.8	1876.6
37.5°	1859.5	1845.1	1815.2	1798.2	1790.0
40°	1777.2	1759.1	1728.6	1705.0	1701.4
42.5°	1688.9	1674.5	1634.8	1617.4	1613.2
45°	1595.1	1577.7	1547.9	1529.8	1516.4
47.5°	1502.9	1490.2	1456.0	1434.4	1429.8
50°	1406.2	1395.4	1360.3	1337.0	1328.8
52.5°	1306.1	1298.9	1269.1	1239.2	1229.4
55°	1202.5	1198.9	1161.8	1127.4	1115.6
57.5°	1100.5	1095.9	1049.6	1009.9	999.1
60°	993.9	980.4	935.2	898.1	886.3
62.5°	892.8	864.0	815.1	786.2	772.8
65°	777.1	749.2	705.9	675.0	670.8
67.5°	663.6	630.1	596.7	577.6	563.2
70°	545.2	522.5	497.3	481.2	478.6
72.5°	434.9	418.9	406.1	396.2	388.0
75°	329.3	326.7	322.1	322.1	313.3
77.5°	242.1	248.3	251.9	250.9	252.9
80°	167.9	180.4	187.6	188.6	187.6
82.5°	106.6	121.0	132.8	134.5	136.5
85°	62.3	73.1	80.4	82.0	80.4
87.5°	27.9	35.1	37.1	38.7	37.1
90°	0.0	0.0	0.0	0.0	0.0



— 0°-180° - - 45°-225° 90°-270°

(END OF REPORT)