

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: P1051010

Luminaire Tested: 24PTR-60-PW1-L830-UNV-STD-W

Issue Date: 7/11/2025

Test Information

Test Method: LM-79-2019
Report Number: P1051010
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-L830-UNV-STD-W
Description: 6000 LUMEN 2X4 PERCEIVE PT TROFFER WITH 3000K, 80 CRI LEDS AND WAVES LENS

Light Source:
Ballast/Driver: -

Summary

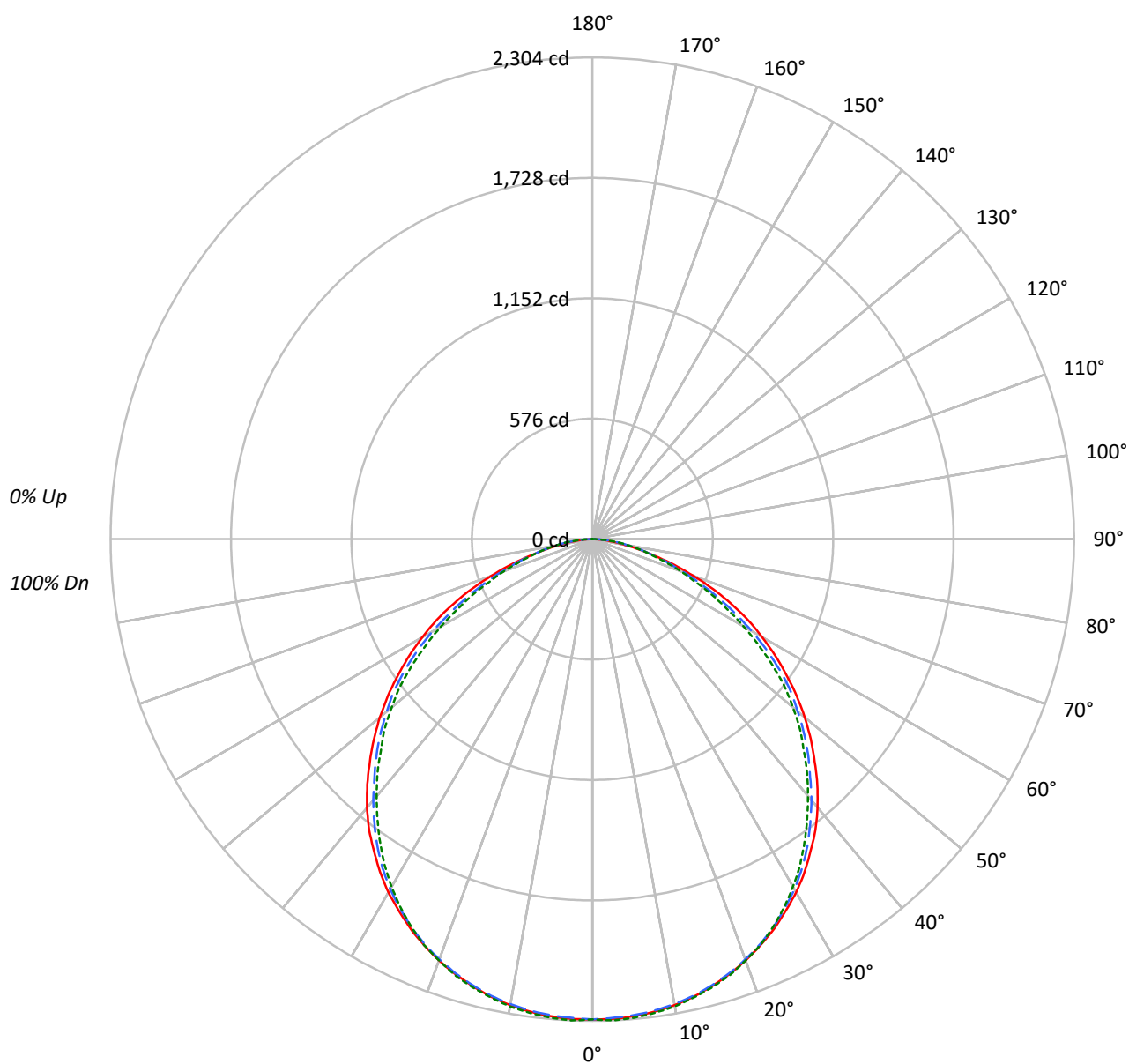
Lumens per Lamp: N/A
Luminaire Lumens: 6097.4 lumens
Efficiency: N/A
Efficacy: 119.6 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.24 / 1.34
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

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°	3091	3091	3091
5°	3094	3087	3103
10°	3093	3086	3101
15°	3083	3079	3090
20°	3071	3063	3071
25°	3054	3041	3038
30°	3030	3004	2983
35°	2990	2945	2907
40°	2944	2863	2818
45°	2863	2778	2721
50°	2776	2685	2623
55°	2660	2571	2468
60°	2523	2373	2249
65°	2333	2119	2014
70°	2023	1845	1776
75°	1615	1579	1536
80°	1227	1371	1371
85°	908	1170	1170

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 2863 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	217.9	3.6
10°-20°	625.0	10.2
20°-30°	944.5	15.5
30°-40°	1121.5	18.4
40°-50°	1129.9	18.5
50°-60°	976.7	16.0
60°-70°	667.5	10.9
70°-80°	329.2	5.4
80°-90°	85.1	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°	1787.4	29.3
0°-40°	2909.0	47.7
0°-60°	5015.6	82.3
0°-90°	6097.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6097.4	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2298	2298	2298	2298	2298	
5°	2291	2292	2286	2295	2298	218
15°	2214	2216	2210	2218	2218	625
25°	2057	2055	2048	2050	2047	948
35°	1820	1814	1793	1777	1770	1139
45°	1504	1488	1460	1443	1430	1161
55°	1134	1131	1096	1063	1052	1014
65°	733	707	666	637	633	724
75°	311	308	304	304	295	339
85°	59	69	76	77	76	72
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2297.6	2297.6	2297.6	2297.6	2297.6
2.5°	2297.0	2297.6	2291.7	2301.9	2304.4
5°	2290.8	2291.7	2285.9	2295.1	2297.6
7.5°	2280.0	2281.5	2274.7	2284.0	2285.9
10°	2263.6	2264.5	2258.6	2267.9	2269.8
12.5°	2241.6	2242.2	2237.3	2245.6	2245.6
15°	2213.5	2215.9	2210.1	2217.8	2218.4
17.5°	2181.9	2182.8	2177.0	2185.3	2187.2
20°	2144.5	2144.5	2139.5	2146.3	2144.5
22.5°	2102.7	2102.7	2096.8	2100.2	2101.8
25°	2056.9	2055.1	2048.3	2050.1	2046.7
27.5°	2004.0	2004.0	1992.0	1992.0	1986.1
30°	1950.5	1946.2	1933.5	1925.8	1919.9
32.5°	1888.9	1883.1	1867.0	1853.4	1849.0
35°	1820.3	1814.1	1792.7	1776.6	1769.8
37.5°	1753.8	1740.1	1712.0	1695.9	1688.2
40°	1676.1	1659.1	1630.3	1608.0	1604.6
42.5°	1592.9	1579.3	1541.8	1525.4	1521.4
45°	1504.4	1488.0	1459.9	1442.9	1430.2
47.5°	1417.5	1405.4	1373.2	1352.8	1348.5
50°	1326.2	1316.0	1282.9	1260.9	1253.2
52.5°	1231.9	1225.1	1196.9	1168.8	1159.5
55°	1134.1	1130.7	1095.8	1063.3	1052.1
57.5°	1037.9	1033.6	989.9	952.5	942.3
60°	937.4	924.7	882.0	847.0	835.9
62.5°	842.1	814.9	768.8	741.5	728.9
65°	732.9	706.6	665.7	636.7	632.6
67.5°	625.8	594.3	562.7	544.8	531.2
70°	514.2	492.8	469.0	453.8	451.4
72.5°	410.2	395.1	383.0	373.7	366.0
75°	310.6	308.1	303.8	303.8	295.4
77.5°	228.3	234.2	237.6	236.7	238.5
80°	158.4	170.1	177.0	177.9	177.0
82.5°	100.5	114.2	125.3	126.8	128.7
85°	58.8	69.0	75.8	77.3	75.8
87.5°	26.3	33.1	35.0	36.5	35.0
90°	0.0	0.0	0.0	0.0	0.0



— 0°-180° - - 45°-225° 90°-270°

(END OF REPORT)