

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: P1050471

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

Issue Date: 7/11/2025

Test Information

Test Method: LM-79-2019
Report Number: P1050471
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2310-200-1)
Test Lab: INNOVATION CENTER
Issue Date: 7/11/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: 24PTR-60-L830-UNV-STD-W
Description: 6000 LUMEN 2X4 PERCEIVE PT TROFFER WITH 3000K, 80 CRI LEDS AND FROSTED LENS

Light Source:
Ballast/Driver: -

Summary

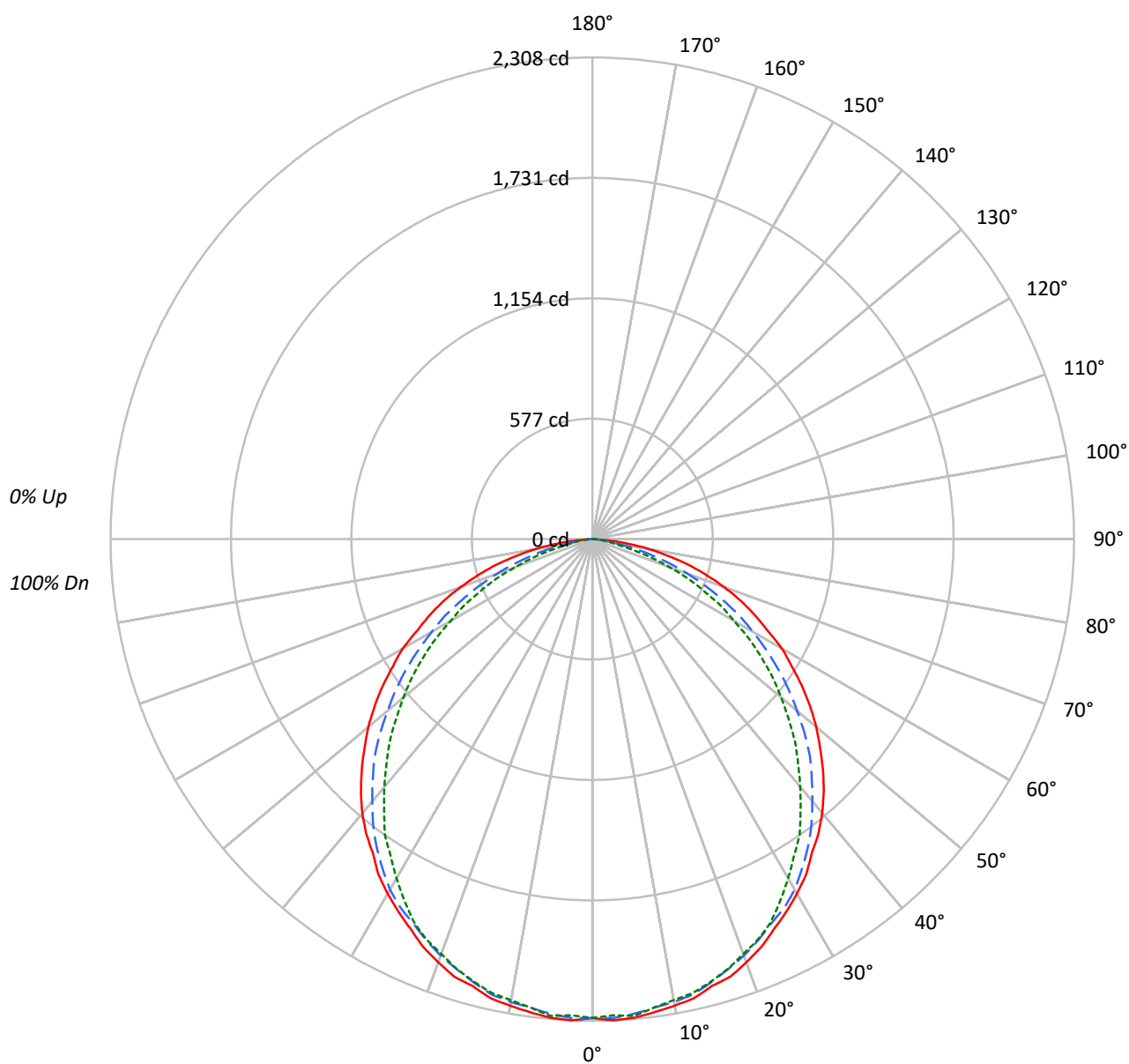
Lumens per Lamp: N/A
Luminaire Lumens: 6111.5 lumens
Efficiency: N/A
Efficacy: 119.8 lumens/watt
Spacing Criteria (0/90/45): 1.27 / 1.21 / 1.35
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

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	100		
1	109	105	101	97	107	103	99	96	98	95	93	95	92	90	91	89	87	85		
2	100	92	85	80	97	90	84	79	87	81	77	83	79	75	80	77	74	72		
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	56	68	61	56	66	60	55	64	58	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	61	48	40	34	60	47	39	34	46	39	34	45	38	33	44	38	33	31		
9	57	44	36	31	56	44	36	30	42	35	30	41	35	30	40	34	30	28		
10	54	41	33	28	53	40	33	28	39	32	28	38	32	27	37	32	27	26		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	3087	3087	3087
5°	3110	3084	3097
10°	3101	3077	3064
15°	3087	3063	3057
20°	3089	3041	3029
25°	3059	3015	3004
30°	3047	3013	2915
35°	3012	2958	2844
40°	3010	2880	2722
45°	2972	2806	2613
50°	2932	2680	2471
55°	2875	2555	2321
60°	2824	2390	2107
65°	2728	2193	1884
70°	2640	1908	1537
75°	2479	1506	1058
80°	2149	910	635
85°	1434	655	611

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 2972 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	217.5	3.6
10°-20°	622.3	10.2
20°-30°	940.1	15.4
30°-40°	1117.7	18.3
40°-50°	1133.6	18.5
50°-60°	984.3	16.1
60°-70°	698.8	11.4
70°-80°	333.9	5.5
80°-90°	63.3	1.0
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°	1779.9	29.1
0°-40°	2897.6	47.4
0°-60°	5015.5	82.1
0°-90°	6111.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6111.5	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2294	2294	2294	2294	2294	
5°	2303	2294	2284	2289	2293	219
15°	2216	2222	2199	2196	2195	628
25°	2061	2058	2031	2039	2024	952
35°	1834	1831	1801	1740	1731	1152
45°	1562	1548	1474	1397	1373	1205
55°	1226	1189	1089	1025	989	1095
65°	857	793	689	615	592	849
75°	477	390	290	230	204	500
85°	93	49	42	41	40	117
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2294.4	2294.4	2294.4	2294.4	2294.4
2.5°	2308.1	2299.9	2297.1	2306.7	2283.5
5°	2302.6	2294.4	2283.5	2288.9	2293.0
7.5°	2286.2	2279.4	2264.3	2276.6	2264.3
10°	2269.8	2263.0	2252.0	2256.1	2242.5
12.5°	2253.4	2237.0	2234.3	2237.0	2227.4
15°	2216.5	2222.0	2198.7	2196.0	2194.6
17.5°	2198.7	2185.1	2160.5	2161.8	2159.1
20°	2157.7	2141.3	2123.6	2120.9	2115.4
22.5°	2115.4	2096.3	2079.9	2088.1	2075.8
25°	2060.7	2058.0	2030.7	2038.9	2023.8
27.5°	2012.9	2003.3	1991.0	1973.3	1951.4
30°	1961.0	1951.4	1939.1	1892.6	1876.2
32.5°	1906.3	1895.4	1870.8	1816.1	1798.4
35°	1833.9	1831.1	1801.1	1739.6	1731.4
37.5°	1779.2	1749.2	1724.6	1661.7	1638.5
40°	1713.6	1697.2	1639.8	1579.7	1549.6
42.5°	1641.2	1622.1	1556.5	1492.2	1459.5
45°	1561.9	1548.3	1474.5	1396.6	1373.4
47.5°	1479.9	1467.7	1380.2	1305.0	1275.0
50°	1400.7	1385.7	1280.4	1208.0	1180.7
52.5°	1314.6	1290.0	1186.1	1115.1	1089.1
55°	1225.8	1188.9	1089.1	1024.9	989.4
57.5°	1131.5	1097.3	986.6	919.7	891.0
60°	1049.5	1001.7	888.2	819.9	783.0
62.5°	944.3	903.3	795.3	714.7	696.9
65°	856.8	792.6	688.7	614.9	591.7
67.5°	768.0	692.8	587.6	512.4	500.1
70°	671.0	593.1	485.1	411.3	390.8
72.5°	572.6	496.0	390.8	312.9	300.6
75°	476.9	389.5	289.7	229.6	203.6
77.5°	373.1	293.8	203.6	140.8	124.4
80°	277.4	198.1	117.5	83.4	82.0
82.5°	181.7	114.8	62.9	64.2	61.5
85°	92.9	49.2	42.4	41.0	39.6
87.5°	17.8	19.1	20.5	20.5	20.5
90°	0.0	0.0	0.0	0.0	0.0



— 0°-180° - - 45°-225° 90°-270°

(END OF REPORT)