

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: P1050823

Luminaire Tested: 24PTR-60-PLG-L930-UNV-STD-W

Issue Date: 7/11/2025

Test Information

Test Method: LM-79-2019
Report Number: P1050823
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2409-224-3)
Test Lab: INNOVATION CENTER
Issue Date: 7/11/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: 24PTR-60-PLG-L930-UNV-STD-W
Description: 6000 LUMEN 2X4 PERCEIVE PT TROFFER WITH 3000K, 90 CRI LEDS AND LOW GLARE LENS

Light Source:
Ballast/Driver: -

Summary

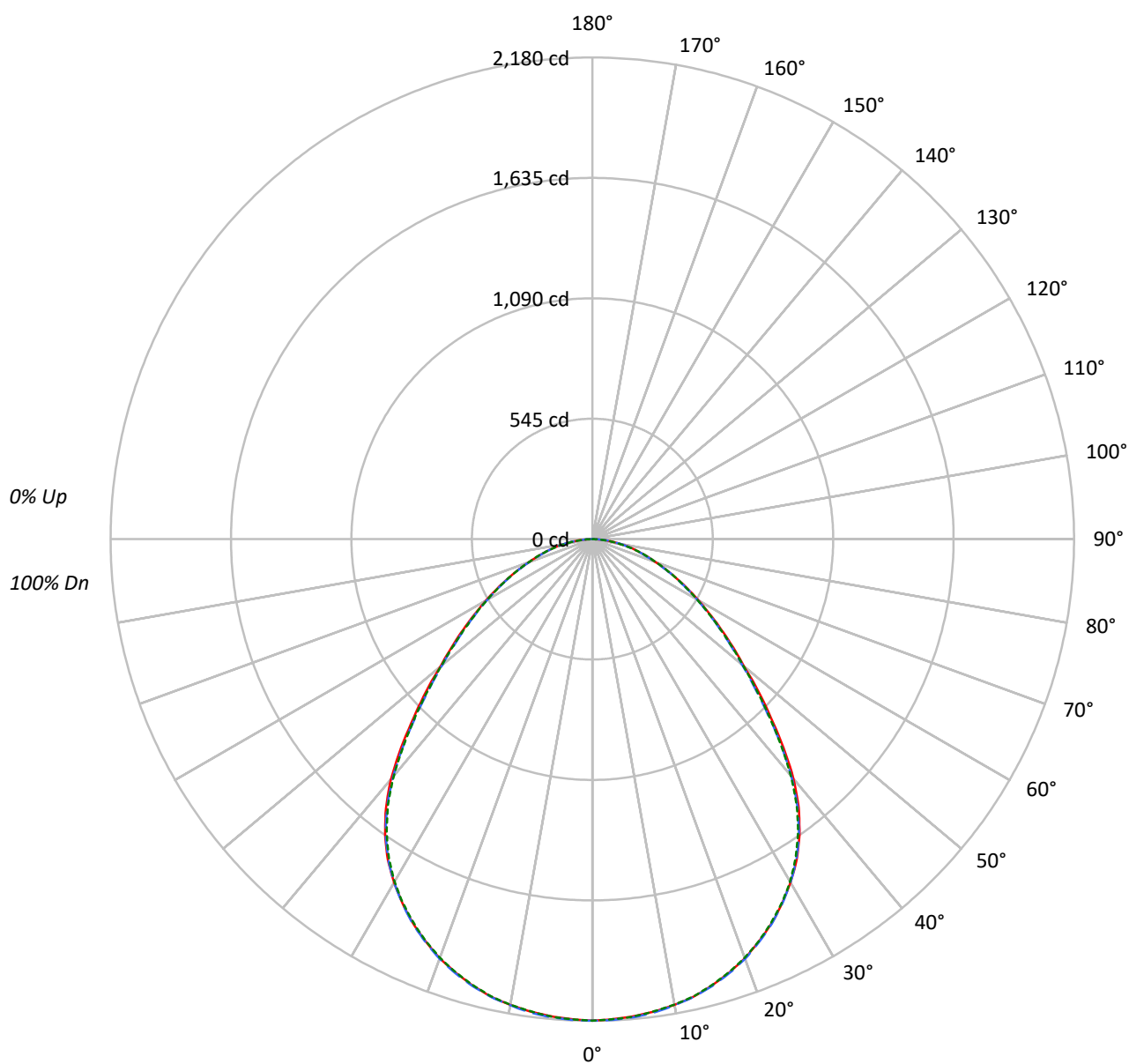
Lumens per Lamp: N/A
Luminaire Lumens: 4911.1 lumens
Efficiency: N/A
Efficacy: 96.3 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.22 / 1.26
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

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	110	106	102	98	107	103	100	97	99	96	94	95	93	91	92	90	88	86	84	86
2	101	94	87	82	99	92	86	81	88	84	79	85	81	78	82	79	76	74	72	74
3	93	83	76	70	91	82	75	69	79	73	68	76	71	67	74	69	66	64	62	64
4	86	75	67	60	84	73	66	60	71	64	59	69	63	58	67	62	58	56	54	56
5	79	67	59	53	77	66	58	53	64	57	52	62	56	51	61	55	51	49	47	49
6	74	61	53	47	72	60	52	47	58	51	46	57	51	46	55	50	45	43	41	43
7	69	56	48	42	67	55	47	42	54	46	41	52	46	41	51	45	41	39	37	39
8	64	51	43	38	62	51	43	38	49	42	37	48	42	37	47	41	37	35	33	35
9	60	47	39	34	59	47	39	34	46	39	34	44	38	34	43	38	34	32	30	32
10	56	44	36	31	55	43	36	31	42	36	31	41	35	31	40	35	31	29	27	29

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2932	2932	2932
5°	2927	2933	2929
10°	2925	2927	2923
15°	2913	2918	2911
20°	2890	2895	2886
25°	2850	2852	2843
30°	2788	2788	2781
35°	2686	2678	2665
40°	2489	2462	2453
45°	2175	2140	2149
50°	1878	1855	1865
55°	1669	1644	1647
60°	1494	1474	1474
65°	1339	1330	1335
70°	1205	1193	1205
75°	1118	1102	1118
80°	1043	1031	995
85°	883	883	787

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 2175 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	206.3	4.2
10°-20°	590.5	12.0
20°-30°	883.5	18.0
30°-40°	1012.2	20.6
40°-50°	875.4	17.8
50°-60°	633.6	12.9
60°-70°	417.3	8.5
70°-80°	227.2	4.6
80°-90°	65.1	1.3
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°	1680.3	34.2
0°-40°	2692.5	54.8
0°-60°	4201.5	85.6
0°-90°	4911.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4911.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2180	2180	2180	2180	2180	
5°	2167	2172	2172	2172	2169	206
15°	2091	2093	2094	2098	2090	590
25°	1920	1920	1921	1923	1915	883
35°	1635	1634	1630	1629	1623	1016
45°	1143	1140	1125	1123	1129	885
55°	712	708	701	696	702	640
65°	421	424	418	415	419	420
75°	215	215	212	212	215	229
85°	57	57	57	59	51	66
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2179.5	2179.5	2179.5	2179.5	2179.5
2.5°	2174.9	2179.5	2178.0	2179.5	2174.9
5°	2167.2	2171.8	2171.8	2171.8	2168.7
7.5°	2156.3	2159.4	2161.0	2162.5	2154.8
10°	2140.9	2144.0	2142.4	2145.5	2139.3
12.5°	2120.8	2120.8	2122.3	2125.4	2119.2
15°	2091.4	2092.9	2094.5	2097.6	2089.8
17.5°	2057.3	2058.9	2060.4	2062.0	2055.8
20°	2018.7	2018.7	2021.8	2023.3	2015.6
22.5°	1970.7	1970.7	1973.8	1978.4	1969.2
25°	1919.7	1919.7	1921.2	1922.8	1915.0
27.5°	1859.3	1859.3	1860.9	1865.5	1856.2
30°	1794.4	1792.8	1794.4	1795.9	1789.7
32.5°	1721.7	1720.1	1718.6	1720.1	1712.4
35°	1635.0	1633.5	1630.4	1628.9	1622.7
37.5°	1534.5	1531.4	1525.2	1525.2	1519.0
40°	1416.9	1409.2	1401.5	1398.4	1396.8
42.5°	1280.8	1274.6	1263.8	1262.2	1262.2
45°	1143.1	1140.0	1124.6	1123.0	1129.2
47.5°	1019.4	1011.7	997.7	994.6	1003.9
50°	897.2	898.7	886.4	881.7	891.0
52.5°	801.3	798.2	787.4	784.3	792.0
55°	711.6	708.5	700.7	696.1	702.3
57.5°	629.6	628.0	620.3	618.7	621.8
60°	555.3	553.8	547.6	546.0	547.6
62.5°	485.7	485.7	479.5	476.4	481.1
65°	420.7	423.8	417.7	414.6	419.2
67.5°	362.0	365.1	358.9	355.8	362.0
70°	306.3	309.4	303.2	300.1	306.3
72.5°	258.3	259.9	255.2	253.7	261.4
75°	215.0	215.0	211.9	211.9	215.0
77.5°	174.8	173.2	171.7	171.7	168.6
80°	134.6	133.0	133.0	133.0	128.4
82.5°	95.9	92.8	94.4	95.9	88.2
85°	57.2	57.2	57.2	58.8	51.0
87.5°	23.2	23.2	21.7	23.2	20.1
90°	0.0	0.0	0.0	0.0	0.0



— 0°-180° - - 45°-225° 90°-270°

(END OF REPORT)