

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: P1050516

Luminaire Tested: 24PTR-72-L930-UNV-STD-W

Issue Date: 7/11/2025

Test Information

Test Method: LM-79-2019
Report Number: P1050516
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-72-L930-UNV-STD-W
Description: 7200 LUMEN 2X4 PERCEIVE PT TROFFER WITH 3000K, 90 CRI LEDS AND FROSTED LENS

Light Source:
Ballast/Driver: -

Summary

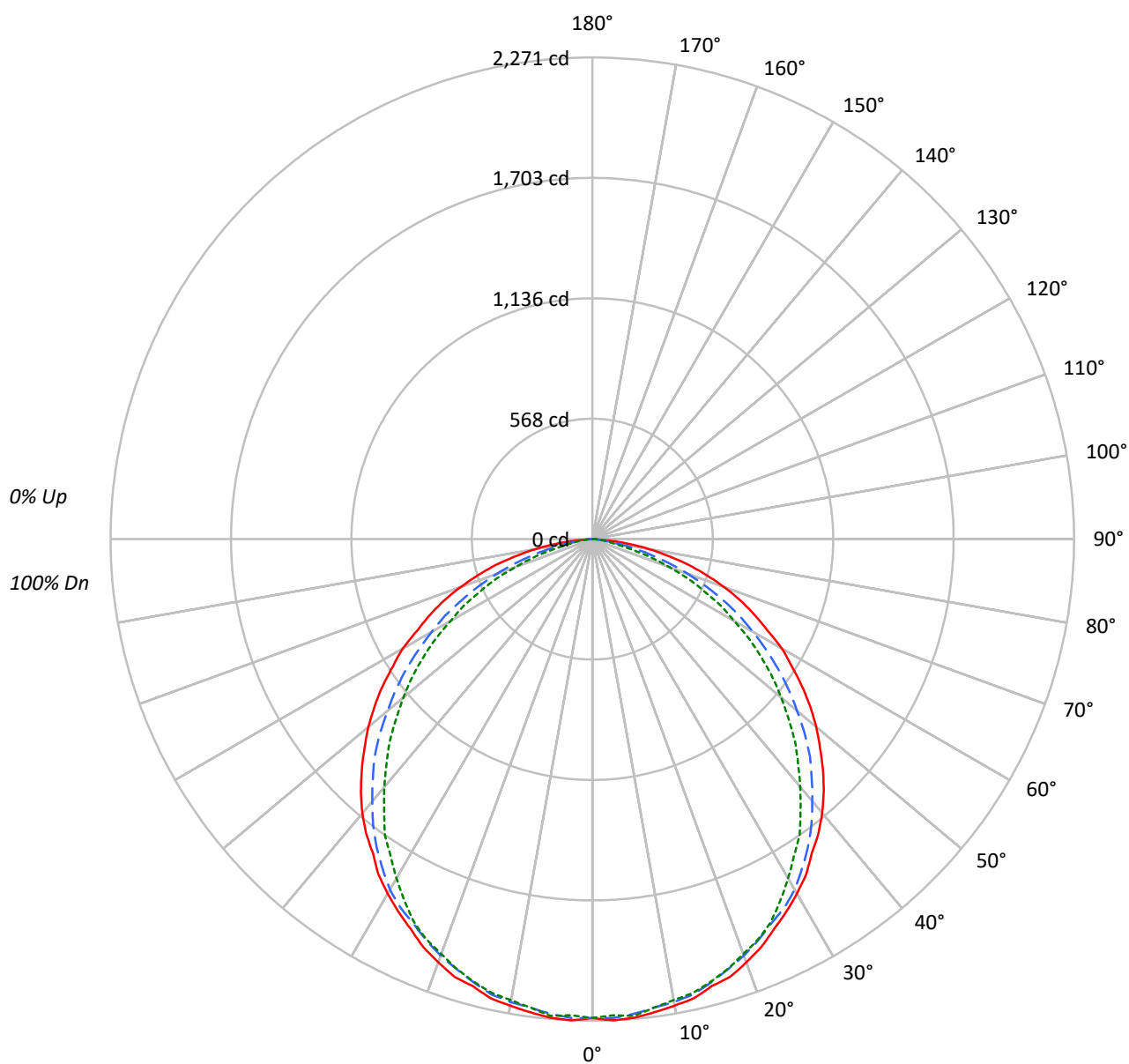
Lumens per Lamp: N/A
Luminaire Lumens: 6013.6 lumens
Efficiency: N/A
Efficacy: 100.2 lumens/watt
Spacing Criteria (0/90/45): 1.27 / 1.21 / 1.35
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 60
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	96	98	95	93	95	92	90	91	89	87	87	87	85
2	100	92	85	80	97	90	84	79	87	81	77	83	79	75	80	77	74	74	74	72
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	56	68	61	56	66	60	55	64	58	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	61	48	40	34	60	47	39	34	46	39	34	45	38	33	44	38	33	33	33	31
9	57	44	36	31	56	44	36	30	42	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	27	37	32	27	27	27	26

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	3038	3038	3038
5°	3060	3035	3047
10°	3051	3027	3015
15°	3038	3014	3008
20°	3040	2992	2980
25°	3010	2966	2956
30°	2998	2964	2868
35°	2964	2911	2798
40°	2962	2834	2678
45°	2924	2761	2571
50°	2885	2637	2432
55°	2829	2514	2284
60°	2779	2352	2073
65°	2684	2158	1854
70°	2597	1878	1513
75°	2440	1482	1041
80°	2115	896	625
85°	1411	644	602

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 2924 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	214.0	3.6
10°-20°	612.4	10.2
20°-30°	925.0	15.4
30°-40°	1099.8	18.3
40°-50°	1115.4	18.5
50°-60°	968.6	16.1
60°-70°	687.6	11.4
70°-80°	328.6	5.5
80°-90°	62.3	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°	1751.4	29.1
0°-40°	2851.2	47.4
0°-60°	4935.1	82.1
0°-90°	6013.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6013.6	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2258	2258	2258	2258	2258	
5°	2266	2258	2247	2252	2256	215
15°	2181	2186	2164	2161	2160	618
25°	2028	2025	1998	2006	1991	937
35°	1804	1802	1772	1712	1704	1134
45°	1537	1524	1451	1374	1351	1186
55°	1206	1170	1072	1008	974	1078
65°	843	780	678	605	582	835
75°	469	383	285	226	200	492
85°	91	48	42	40	39	115
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2257.6	2257.6	2257.6	2257.6	2257.6
2.5°	2271.1	2263.0	2260.3	2269.7	2246.9
5°	2265.7	2257.6	2246.9	2252.2	2256.3
7.5°	2249.6	2242.8	2228.0	2240.1	2228.0
10°	2233.4	2226.7	2215.9	2220.0	2206.5
12.5°	2217.3	2201.2	2198.5	2201.2	2191.7
15°	2181.0	2186.4	2163.5	2160.8	2159.5
17.5°	2163.5	2150.1	2125.9	2127.2	2124.5
20°	2123.2	2107.0	2089.5	2086.9	2081.5
22.5°	2081.5	2062.7	2046.5	2054.6	2042.5
25°	2027.7	2025.0	1998.1	2006.2	1991.4
27.5°	1980.6	1971.2	1959.1	1941.6	1920.1
30°	1929.5	1920.1	1908.0	1862.3	1846.2
32.5°	1875.8	1865.0	1840.8	1787.0	1769.5
35°	1804.5	1801.8	1772.2	1711.7	1703.6
37.5°	1750.7	1721.1	1696.9	1635.1	1612.2
40°	1686.2	1670.0	1613.6	1554.4	1524.8
42.5°	1614.9	1596.1	1531.5	1468.3	1436.1
45°	1536.9	1523.5	1450.9	1374.2	1351.3
47.5°	1456.2	1444.1	1358.1	1284.1	1254.5
50°	1378.2	1363.5	1259.9	1188.6	1161.8
52.5°	1293.5	1269.3	1167.1	1097.2	1071.7
55°	1206.1	1169.8	1071.7	1008.5	973.5
57.5°	1113.4	1079.7	970.8	904.9	876.7
60°	1032.7	985.6	874.0	806.8	770.5
62.5°	929.1	888.8	782.6	703.2	685.8
65°	843.1	779.9	677.7	605.1	582.2
67.5°	755.7	681.7	578.2	504.2	492.1
70°	660.2	583.6	477.3	404.7	384.6
72.5°	563.4	488.1	384.6	307.9	295.8
75°	469.3	383.2	285.1	225.9	200.3
77.5°	367.1	289.1	200.3	138.5	122.4
80°	273.0	195.0	115.6	82.0	80.7
82.5°	178.8	112.9	61.9	63.2	60.5
85°	91.4	48.4	41.7	40.3	39.0
87.5°	17.5	18.8	20.2	20.2	20.2
90°	0.0	0.0	0.0	0.0	0.0



— 0°-180° - - 45°-225° 90°-270°

(END OF REPORT)