

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: P1050614

Luminaire Tested: 24PTR-60-PB1-L940-UNV-STD-W

Issue Date: 7/11/2025

Test Information

Test Method: LM-79-2019
Report Number: P1050614
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P737703)
Test Lab: INNOVATION CENTER
Issue Date: 7/11/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: 24PTR-60-PB1-L940-UNV-STD-W
Description: 6000 LUMEN 2X4 PERCEIVE PT TROFFER WITH 4000K, 90 CRI LEDS AND FROSTED LENS

Light Source:
Ballast/Driver: -

Summary

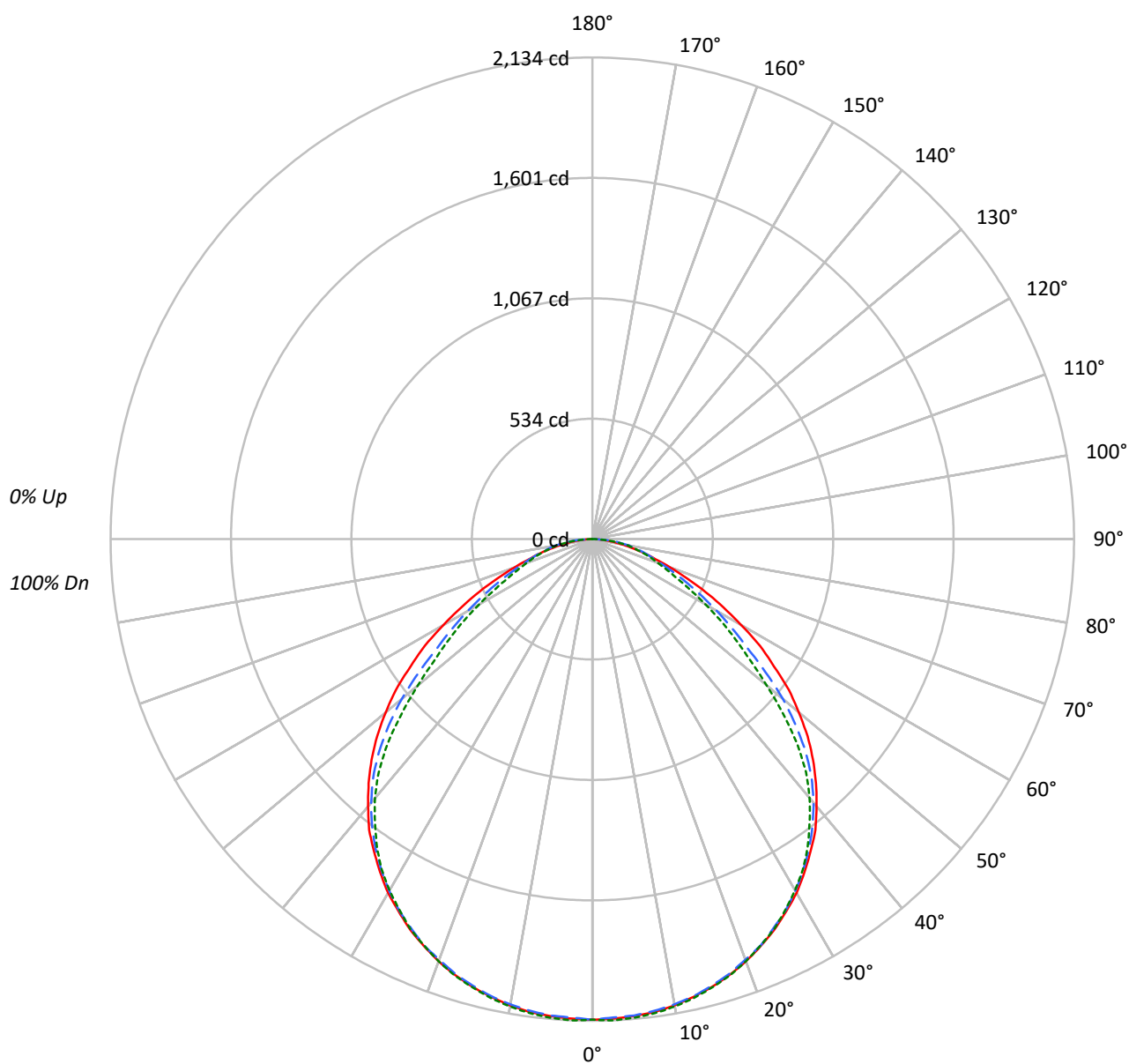
Lumens per Lamp: N/A
Luminaire Lumens: 5308.8 lumens
Efficiency: N/A
Efficacy: 104.1 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.25 / 1.34
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

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	100		
1	110	105	101	98	107	103	99	96	99	96	93	95	93	90	91	89	88	86		
2	100	93	86	81	98	91	85	80	87	83	78	84	80	77	81	78	75	73		
3	92	82	75	69	90	81	74	68	78	72	67	75	70	66	73	68	64	62		
4	85	73	65	59	83	72	64	58	70	63	58	67	62	57	65	60	56	54		
5	78	66	57	51	76	65	57	51	63	56	50	61	55	50	59	54	49	47		
6	72	60	51	45	71	59	51	45	57	50	44	55	49	44	54	48	44	42		
7	67	54	46	40	66	53	45	40	52	45	39	51	44	39	49	43	39	37		
8	63	50	41	36	61	49	41	36	48	41	35	46	40	35	45	39	35	33		
9	59	46	38	32	57	45	37	32	44	37	32	43	36	32	42	36	32	30		
10	55	42	34	29	54	42	34	29	41	34	29	40	33	29	39	33	29	27		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2865	2865	2865
5°	2865	2861	2875
10°	2866	2859	2873
15°	2860	2853	2863
20°	2850	2839	2850
25°	2834	2822	2830
30°	2811	2795	2791
35°	2770	2749	2732
40°	2714	2677	2631
45°	2631	2546	2441
50°	2500	2308	2110
55°	2304	1960	1818
60°	2051	1713	1557
65°	1759	1485	1326
70°	1452	1309	1216
75°	1225	1252	1185
80°	1035	1278	1219
85°	810	1295	1133

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 2631 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	201.9	3.8
10°-20°	579.2	10.9
20°-30°	877.4	16.5
30°-40°	1045.5	19.7
40°-50°	1022.4	19.3
50°-60°	773.3	14.6
60°-70°	475.1	8.9
70°-80°	253.1	4.8
80°-90°	80.8	1.5
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°	1658.5	31.2
0°-40°	2704.1	50.9
0°-60°	4499.8	84.8
0°-90°	5308.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5308.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2129	2129	2129	2129	2129	
5°	2121	2124	2119	2126	2129	202
15°	2053	2056	2048	2056	2056	579
25°	1909	1906	1901	1904	1906	879
35°	1686	1684	1674	1666	1663	1055
45°	1383	1375	1338	1294	1283	1064
55°	982	932	836	788	775	879
65°	553	508	466	429	416	550
75°	236	238	241	233	228	253
85°	52	68	84	79	73	63
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2129.0	2129.0	2129.0	2129.0	2129.0
2.5°	2126.5	2129.0	2121.0	2131.8	2134.2
5°	2121.0	2123.8	2118.6	2126.5	2129.0
7.5°	2113.3	2113.3	2108.1	2115.8	2118.6
10°	2097.7	2097.7	2092.5	2100.2	2102.9
12.5°	2076.8	2076.8	2074.0	2079.3	2082.0
15°	2053.1	2055.6	2047.9	2055.6	2055.6
17.5°	2024.3	2021.8	2019.0	2024.3	2027.0
20°	1990.2	1990.2	1982.5	1987.7	1990.2
22.5°	1950.9	1950.9	1948.4	1950.9	1948.4
25°	1909.1	1906.3	1901.1	1903.9	1906.3
27.5°	1859.3	1859.3	1854.1	1854.1	1851.3
30°	1809.6	1806.8	1799.1	1793.9	1796.4
32.5°	1749.3	1746.6	1738.9	1733.7	1736.2
35°	1686.4	1683.9	1673.5	1665.5	1663.0
37.5°	1623.7	1615.7	1602.5	1592.1	1581.6
40°	1545.1	1537.1	1524.2	1500.5	1497.8
42.5°	1466.4	1458.8	1437.6	1409.0	1401.0
45°	1382.6	1374.9	1338.1	1293.5	1283.1
47.5°	1293.5	1280.6	1222.9	1167.9	1147.0
50°	1194.3	1170.6	1102.4	1031.8	1008.1
52.5°	1097.2	1055.4	966.4	903.4	880.0
55°	982.0	932.3	835.5	788.2	775.0
57.5°	880.0	811.9	733.2	686.2	675.8
60°	762.1	699.1	636.5	594.4	578.7
62.5°	654.6	599.6	547.4	510.5	492.4
65°	552.6	508.1	466.3	429.4	416.5
67.5°	453.1	429.4	395.3	366.7	358.8
70°	369.2	356.0	332.7	319.5	309.0
72.5°	293.3	298.6	282.9	277.7	269.7
75°	235.6	238.4	240.8	233.1	227.9
77.5°	178.2	191.1	201.5	196.3	191.1
80°	133.6	146.5	165.0	157.3	157.3
82.5°	91.5	107.5	123.2	117.9	115.2
85°	52.5	68.2	83.9	78.6	73.4
87.5°	20.9	34.1	36.6	36.6	34.1
90°	0.0	0.0	0.0	0.0	0.0



— 0°-180° - - 45°-225° 90°-270°

(END OF REPORT)