

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: P1050691

Luminaire Tested: 24PTR-60-PC3-L940-UNV-STD-W

Issue Date: 7/11/2025

Test Information

Test Method: LM-79-2019
Report Number: P1050691
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P737711)
Test Lab: INNOVATION CENTER
Issue Date: 7/11/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: 24PTR-60-PC3-L940-UNV-STD-W
Description: 6000 LUMEN 2X4 PERCEIVE PT TROFFER WITH 4000K, 90 CRI LEDS AND PARAMID LENS

Light Source:
Ballast/Driver: -

Summary

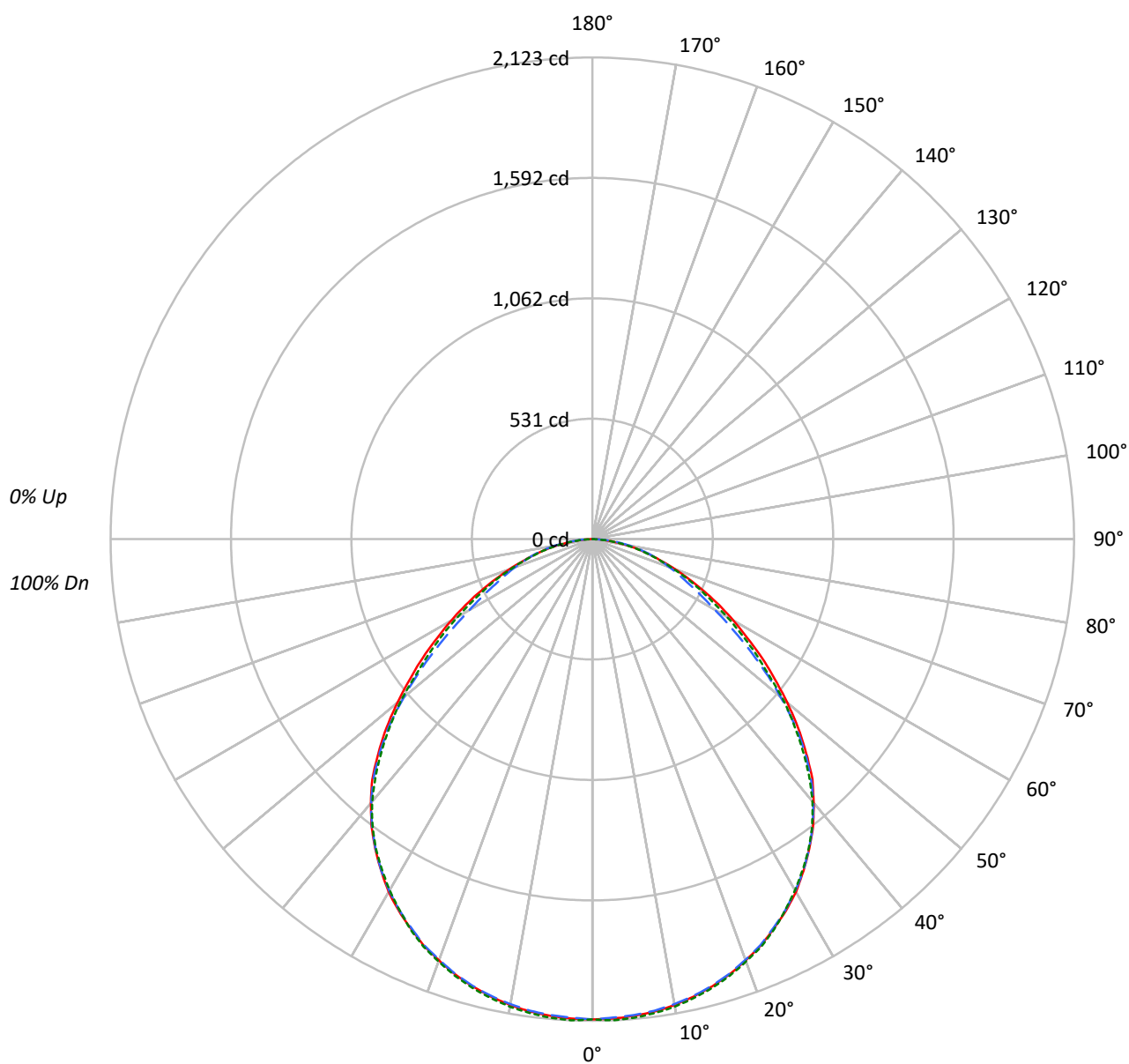
Lumens per Lamp: N/A
Luminaire Lumens: 5336.9 lumens
Efficiency: N/A
Efficacy: 104.6 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.25 / 1.34
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

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	102	102	100
1	110	105	101	98	107	103	99	96	99	96	93	95	92	90	91	89	87	87	87	85
2	100	93	86	81	98	91	85	80	87	82	78	84	80	76	81	78	75	75	75	72
3	92	82	74	68	90	80	73	68	77	71	66	75	70	65	72	68	64	64	64	62
4	85	73	65	58	82	72	64	58	69	63	57	67	61	56	65	60	56	56	56	54
5	78	66	57	51	76	65	56	50	62	55	50	61	54	49	59	53	49	49	49	47
6	72	59	51	45	70	58	50	44	57	49	44	55	49	44	53	48	43	43	43	41
7	67	54	46	40	65	53	45	39	52	44	39	50	44	39	49	43	39	39	39	37
8	62	49	41	35	61	49	41	35	47	40	35	46	40	35	45	39	35	35	35	33
9	58	45	37	32	57	45	37	32	44	37	32	43	36	32	42	36	31	31	31	30
10	55	42	34	29	54	41	34	29	40	34	29	40	33	29	39	33	29	29	29	27

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2848	2848	2848
5°	2849	2844	2860
10°	2849	2844	2859
15°	2842	2839	2852
20°	2829	2825	2837
25°	2810	2806	2817
30°	2789	2780	2775
35°	2739	2736	2731
40°	2666	2662	2650
45°	2536	2517	2491
50°	2347	2268	2294
55°	2142	1968	2057
60°	1931	1679	1842
65°	1726	1502	1656
70°	1531	1421	1489
75°	1354	1377	1327
80°	1168	1315	1161
85°	875	1041	875

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°

Vertical Angle: 45°

Luminance: 2541 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	200.8	3.8
10°-20°	576.3	10.8
20°-30°	872.5	16.3
30°-40°	1040.3	19.5
40°-50°	1016.5	19.0
50°-60°	777.2	14.6
60°-70°	499.0	9.4
70°-80°	277.6	5.2
80°-90°	76.7	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°	1649.6	30.9
0°-40°	2689.9	50.4
0°-60°	4483.6	84.0
0°-90°	5336.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5336.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2117	2117	2117	2117	2117	
5°	2110	2111	2106	2116	2118	201
15°	2040	2042	2038	2045	2047	576
25°	1893	1895	1890	1896	1897	873
35°	1667	1669	1666	1665	1663	1042
45°	1333	1336	1323	1320	1309	1025
55°	913	881	839	850	877	816
65°	542	500	472	488	520	541
75°	260	263	265	261	255	278
85°	57	67	67	65	57	70
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2116.9	2116.9	2116.9	2116.9	2116.9
2.5°	2115.5	2116.3	2110.8	2119.9	2122.9
5°	2109.5	2110.8	2105.6	2115.5	2117.7
7.5°	2100.4	2101.8	2096.5	2106.4	2107.3
10°	2085.2	2086.1	2081.4	2091.3	2092.7
12.5°	2064.9	2067.1	2061.9	2070.9	2071.5
15°	2040.4	2042.1	2038.2	2045.1	2047.3
17.5°	2011.8	2012.6	2008.8	2016.2	2017.0
20°	1976.0	1976.0	1973.0	1981.5	1981.5
22.5°	1939.7	1937.5	1936.7	1939.7	1944.4
25°	1893.0	1895.2	1889.9	1896.0	1897.4
27.5°	1847.6	1847.6	1842.9	1845.9	1842.1
30°	1795.3	1792.3	1789.2	1789.8	1786.2
32.5°	1732.3	1732.3	1730.9	1730.9	1726.2
35°	1667.4	1668.7	1665.7	1664.9	1662.7
37.5°	1597.5	1600.0	1594.5	1593.1	1591.4
40°	1518.0	1518.0	1515.8	1512.8	1508.9
42.5°	1435.5	1435.5	1425.8	1418.1	1412.9
45°	1332.6	1335.6	1322.7	1319.6	1309.2
47.5°	1230.2	1228.0	1210.7	1208.5	1202.5
50°	1121.3	1108.4	1083.6	1090.2	1095.7
52.5°	1012.4	996.4	960.1	967.5	976.6
55°	913.1	881.4	839.1	849.5	876.7
57.5°	809.3	767.0	724.6	744.4	778.3
60°	717.7	670.1	623.9	645.1	684.4
62.5°	630.0	579.4	542.2	562.6	595.9
65°	542.2	500.4	471.8	487.5	520.2
67.5°	461.9	433.8	414.3	421.7	448.1
70°	389.3	371.7	361.2	363.4	378.5
72.5°	320.2	315.8	312.0	312.0	313.3
75°	260.5	262.7	264.9	261.3	255.3
77.5°	205.2	212.7	218.2	210.5	203.0
80°	150.8	162.9	169.7	161.2	149.9
82.5°	102.9	116.6	118.8	113.6	100.7
85°	56.7	66.6	67.4	65.2	56.7
87.5°	21.2	25.0	27.2	25.0	22.0
90°	0.0	0.0	0.0	0.0	0.0



— 0°-180° - - 45°-225° 90°-270°

(END OF REPORT)