

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: P1050093

Luminaire Tested: PTR-14-70-L940-UNV-STD-W

Issue Date: 7/11/2025

Test Information

Test Method: LM-79-2019
Report Number: P1050093
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: PTR-14-70-L940-UNV-STD-W
Description: 7000 LUMEN 1X4 PERCEIVE PT TROFFER WITH 4000K, 90 CRI LEDS AND FROSTED LENS

Light Source:
Ballast/Driver: -

Summary

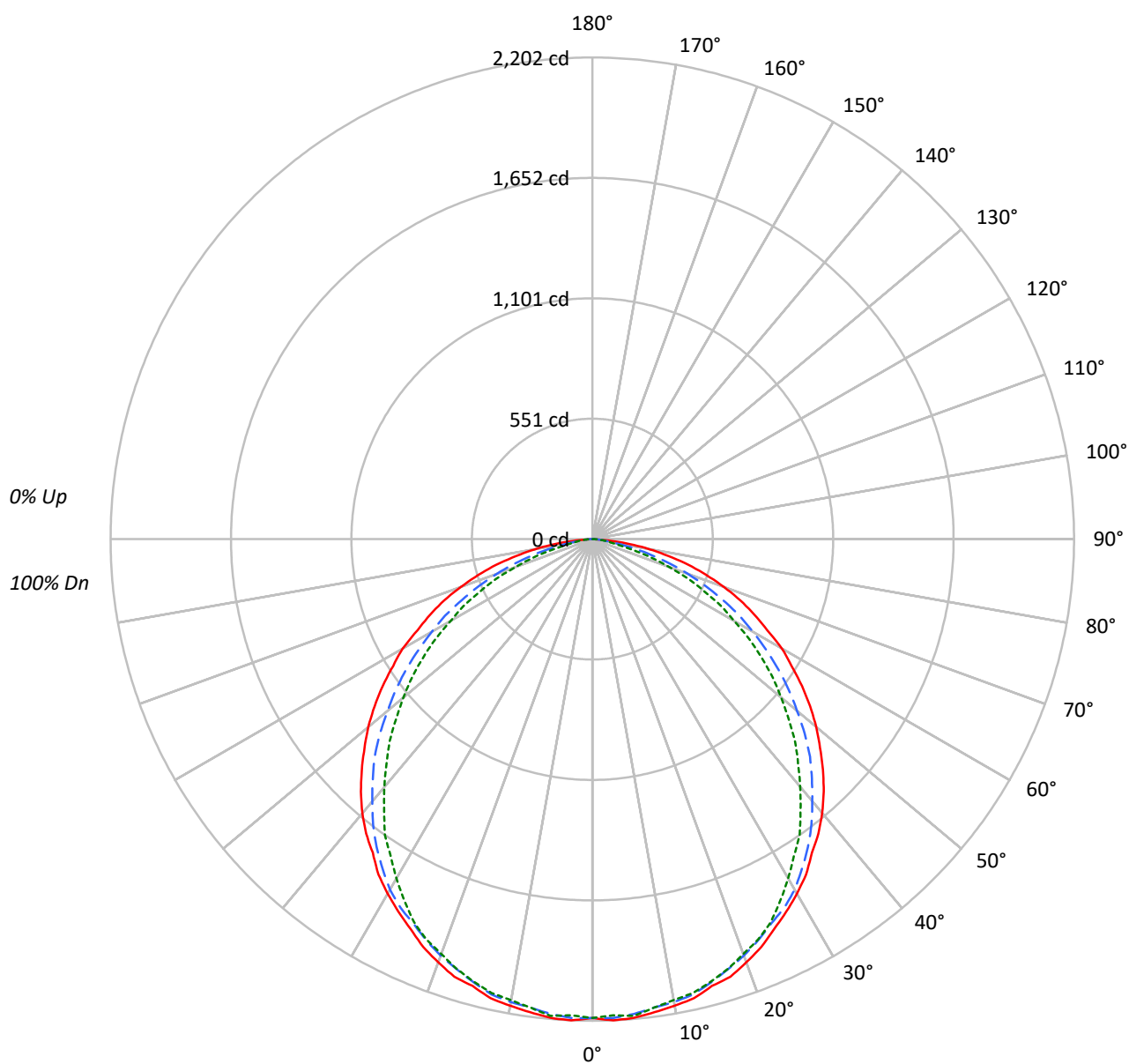
Lumens per Lamp: N/A
Luminaire Lumens: 5831.1 lumens
Efficiency: N/A
Efficacy: 92.6 lumens/watt
Spacing Criteria (0/90/45): 1.27 / 1.21 / 1.35
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 63
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°	5891	5891	5891
5°	5935	5885	5910
10°	5918	5871	5846
15°	5892	5845	5834
20°	5896	5802	5780
25°	5838	5753	5733
30°	5814	5749	5563
35°	5748	5645	5427
40°	5743	5496	5194
45°	5672	5354	4987
50°	5595	5115	4716
55°	5487	4875	4429
60°	5389	4561	4021
65°	5205	4184	3595
70°	5037	3642	2934
75°	4731	2874	2020
80°	4102	1737	1212
85°	2739	1247	1167

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 5672 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	207.5	3.6
10°-20°	593.8	10.2
20°-30°	896.9	15.4
30°-40°	1066.4	18.3
40°-50°	1081.6	18.5
50°-60°	939.2	16.1
60°-70°	666.7	11.4
70°-80°	318.6	5.5
80°-90°	60.4	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°	1698.2	29.1
0°-40°	2764.7	47.4
0°-60°	4785.4	82.1
0°-90°	5831.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5831.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2189	2189	2189	2189	2189	
5°	2197	2189	2179	2184	2188	209
15°	2115	2120	2098	2095	2094	599
25°	1966	1964	1938	1945	1931	908
35°	1750	1747	1718	1660	1652	1099
45°	1490	1477	1407	1332	1310	1150
55°	1170	1134	1039	978	944	1045
65°	818	756	657	587	565	810
75°	455	372	276	219	194	477
85°	89	47	40	39	38	112
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2189.1	2189.1	2189.1	2189.1	2189.1
2.5°	2202.2	2194.4	2191.7	2200.9	2178.7
5°	2197.0	2189.1	2178.7	2183.9	2187.8
7.5°	2181.3	2174.8	2160.5	2172.2	2160.5
10°	2165.7	2159.1	2148.7	2152.6	2139.6
12.5°	2150.0	2134.4	2131.8	2134.4	2125.2
15°	2114.8	2120.0	2097.9	2095.3	2094.0
17.5°	2097.9	2084.8	2061.4	2062.7	2060.1
20°	2058.8	2043.1	2026.2	2023.5	2018.3
22.5°	2018.3	2000.1	1984.4	1992.3	1980.5
25°	1966.2	1963.6	1937.5	1945.3	1931.0
27.5°	1920.5	1911.4	1899.7	1882.7	1861.9
30°	1871.0	1861.9	1850.1	1805.8	1790.2
32.5°	1818.8	1808.4	1784.9	1732.8	1715.8
35°	1749.7	1747.1	1718.5	1659.8	1652.0
37.5°	1697.6	1668.9	1645.4	1585.5	1563.3
40°	1635.0	1619.4	1564.6	1507.2	1478.5
42.5°	1565.9	1547.7	1485.1	1423.8	1392.5
45°	1490.3	1477.2	1406.8	1332.5	1310.4
47.5°	1412.1	1400.3	1316.9	1245.2	1216.5
50°	1336.4	1322.1	1221.7	1152.6	1126.5
52.5°	1254.3	1230.8	1131.7	1063.9	1039.2
55°	1169.5	1134.3	1039.2	977.9	944.0
57.5°	1079.6	1047.0	941.4	877.5	850.1
60°	1001.3	955.7	847.5	782.3	747.1
62.5°	900.9	861.8	758.8	681.9	665.0
65°	817.5	756.2	657.1	586.7	564.6
67.5°	732.8	661.0	560.6	488.9	477.2
70°	640.2	565.9	462.9	392.5	372.9
72.5°	546.3	473.3	372.9	298.6	286.8
75°	455.0	371.6	276.4	219.0	194.3
77.5°	355.9	280.3	194.3	134.3	118.6
80°	264.7	189.1	112.1	79.5	78.2
82.5°	173.4	109.5	60.0	61.3	58.7
85°	88.7	46.9	40.4	39.1	37.8
87.5°	16.9	18.3	19.6	19.6	19.6
90°	0.0	0.0	0.0	0.0	0.0



— 0°-180° - - 45°-225° 90°-270°

(END OF REPORT)