

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: P1050415

Luminaire Tested: PTR-14-60-PR1-L940-UNV-STD-W

Issue Date: 7/11/2025

Test Information

Test Method: LM-79-2019
Report Number: P1050415
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P737735)
Test Lab: INNOVATION CENTER
Issue Date: 7/11/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: PTR-14-60-PR1-L940-UNV-STD-W
Description: 8000 LUMEN 1X4 PERCEIVE PT TROFFER WITH 4000K, 90 CRI LEDS AND RIPPLE LENS

Light Source:
Ballast/Driver: -

Summary

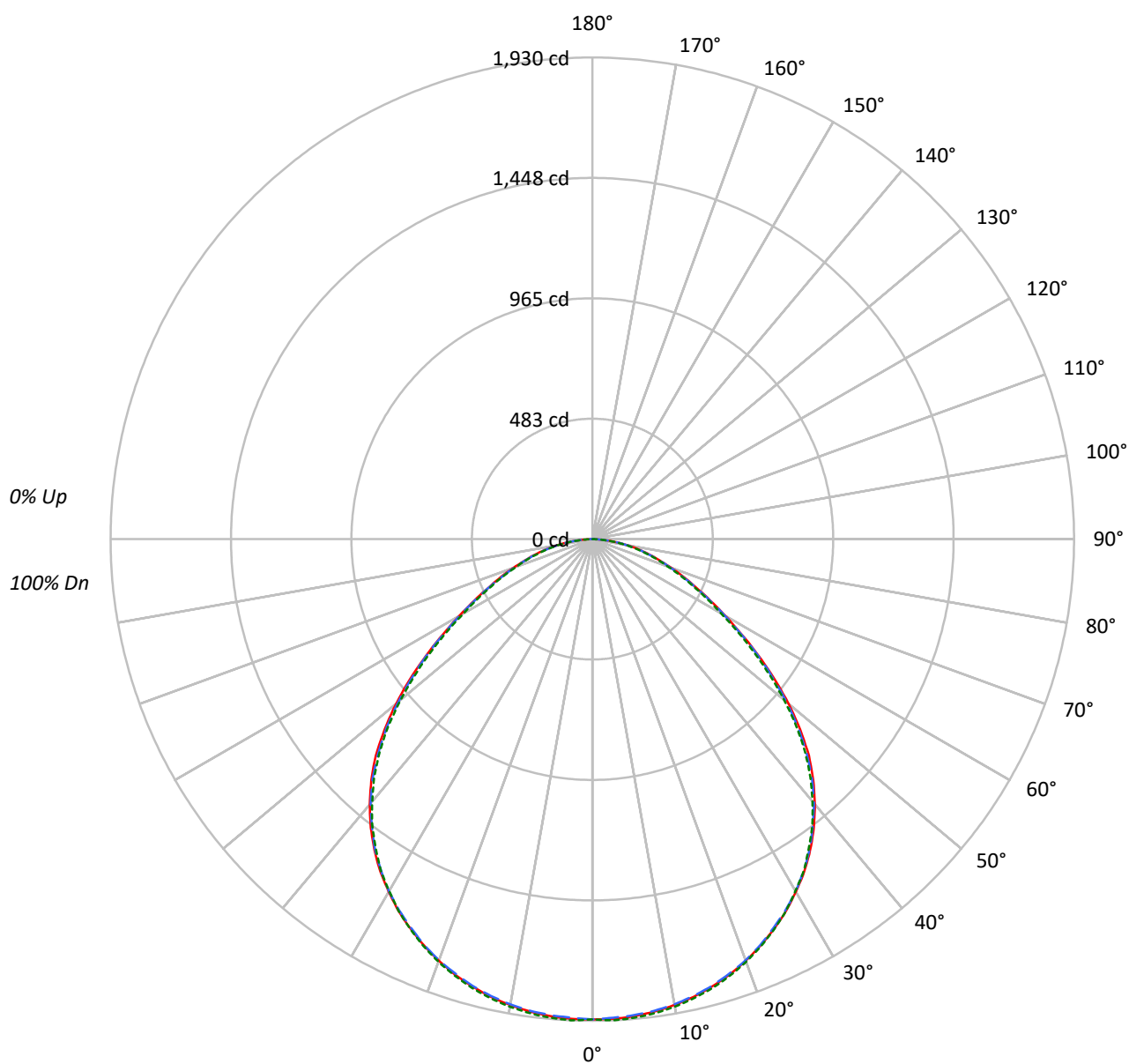
Lumens per Lamp: N/A
Luminaire Lumens: 4867.5 lumens
Efficiency: N/A
Efficacy: 97.7 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.26 / 1.34
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 49.8
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	92	90	91	89	88	85		
2	100	93	86	81	98	91	85	80	87	82	78	84	80	76	81	78	75	73		
3	92	82	74	68	90	80	73	68	78	71	66	75	70	65	72	68	64	62		
4	85	73	65	58	82	72	64	58	69	63	57	67	61	56	65	60	56	54		
5	78	66	57	51	76	65	56	50	62	55	50	61	54	49	59	53	49	47		
6	72	59	51	45	70	58	50	44	57	49	44	55	49	44	53	48	43	41		
7	67	54	45	40	65	53	45	39	52	44	39	50	44	39	49	43	39	37		
8	62	49	41	35	61	49	41	35	47	40	35	46	40	35	45	39	35	33		
9	58	45	37	32	57	45	37	32	44	37	32	43	36	32	42	36	31	30		
10	55	42	34	29	54	41	34	29	40	34	29	39	33	29	39	33	29	27		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	5179	5179	5179
5°	5184	5173	5201
10°	5180	5171	5199
15°	5170	5162	5187
20°	5149	5142	5162
25°	5115	5102	5121
30°	5069	5063	5057
35°	5000	4988	4967
40°	4873	4854	4820
45°	4670	4618	4584
50°	4297	4249	4196
55°	3803	3787	3712
60°	3305	3293	3204
65°	2912	2895	2837
70°	2643	2605	2552
75°	2447	2389	2346
80°	2233	2202	2129
85°	1763	1748	1680

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 4670 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	182.6	3.8
10°-20°	524.0	10.8
20°-30°	793.9	16.3
30°-40°	947.7	19.5
40°-50°	932.0	19.1
50°-60°	720.3	14.8
60°-70°	454.2	9.3
70°-80°	245.7	5.0
80°-90°	67.1	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°	1500.5	30.8
0°-40°	2448.2	50.3
0°-60°	4100.5	84.2
0°-90°	4867.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4867.5	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1925	1925	1925	1925	1925	
5°	1919	1920	1915	1923	1926	182
15°	1856	1856	1853	1859	1862	524
25°	1723	1724	1718	1724	1725	794
35°	1522	1522	1518	1516	1512	950
45°	1227	1222	1213	1204	1205	940
55°	811	817	807	794	791	727
65°	457	458	455	447	446	460
75°	235	233	230	231	226	250
85°	57	58	57	57	54	68
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1924.7	1924.7	1924.7	1924.7	1924.7
2.5°	1923.9	1924.7	1919.2	1928.2	1930.2
5°	1919.2	1919.9	1914.9	1923.2	1925.5
7.5°	1909.4	1910.9	1906.2	1914.4	1916.4
10°	1895.6	1897.1	1892.4	1900.6	1902.6
12.5°	1878.6	1879.1	1875.1	1882.6	1884.6
15°	1855.8	1856.3	1853.0	1859.0	1861.8
17.5°	1829.5	1830.2	1825.4	1833.0	1834.2
20°	1797.9	1798.4	1795.6	1801.9	1802.6
22.5°	1762.5	1764.0	1759.8	1765.3	1766.0
25°	1722.7	1723.9	1718.4	1723.9	1724.7
27.5°	1680.6	1681.1	1676.3	1680.6	1679.8
30°	1631.4	1635.7	1629.4	1627.9	1627.4
32.5°	1580.6	1581.1	1575.1	1573.5	1576.3
35°	1521.9	1522.4	1518.4	1516.4	1512.1
37.5°	1457.7	1457.7	1450.0	1448.7	1448.0
40°	1387.3	1386.6	1381.8	1377.0	1372.0
42.5°	1310.6	1312.1	1302.3	1294.1	1292.8
45°	1227.2	1222.4	1213.4	1203.8	1204.6
47.5°	1128.7	1129.9	1117.6	1109.9	1107.8
50°	1026.4	1026.4	1014.9	1006.6	1002.3
52.5°	919.6	920.4	909.3	898.3	896.1
55°	810.6	817.4	807.1	794.0	791.3
57.5°	708.6	714.1	704.3	690.5	689.8
60°	614.1	614.6	611.8	598.8	595.3
62.5°	533.4	529.9	528.4	521.6	517.3
65°	457.4	458.2	454.7	446.9	445.6
67.5°	396.0	395.3	389.0	384.2	381.5
70°	335.9	333.9	331.1	327.1	324.3
72.5°	282.2	282.2	280.0	278.7	274.0
75°	235.4	232.6	229.8	231.1	225.6
77.5°	190.5	187.7	185.5	182.7	181.5
80°	144.1	141.4	142.1	137.9	137.4
82.5°	100.0	100.0	98.8	95.2	96.0
85°	57.1	57.9	56.6	57.1	54.4
87.5°	20.8	21.3	22.8	21.3	21.3
90°	0.0	0.0	0.0	0.0	0.0



— 0°-180° - - 45°-225° 90°-270°

(END OF REPORT)