

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: P1050169

Luminaire Tested: PTR-14-60-PB1-L935-UNV-STD-W

Issue Date: 7/11/2025

Test Information

Test Method: LM-79-2019
Report Number: P1050169
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: PTR-14-60-PB1-L935-UNV-STD-W
Description: 8000 LUMEN 1X4 PERCEIVE PT TROFFER WITH 3500K, 90 CRI LEDS AND BEVEL LENS

Light Source:
Ballast/Driver: -

Summary

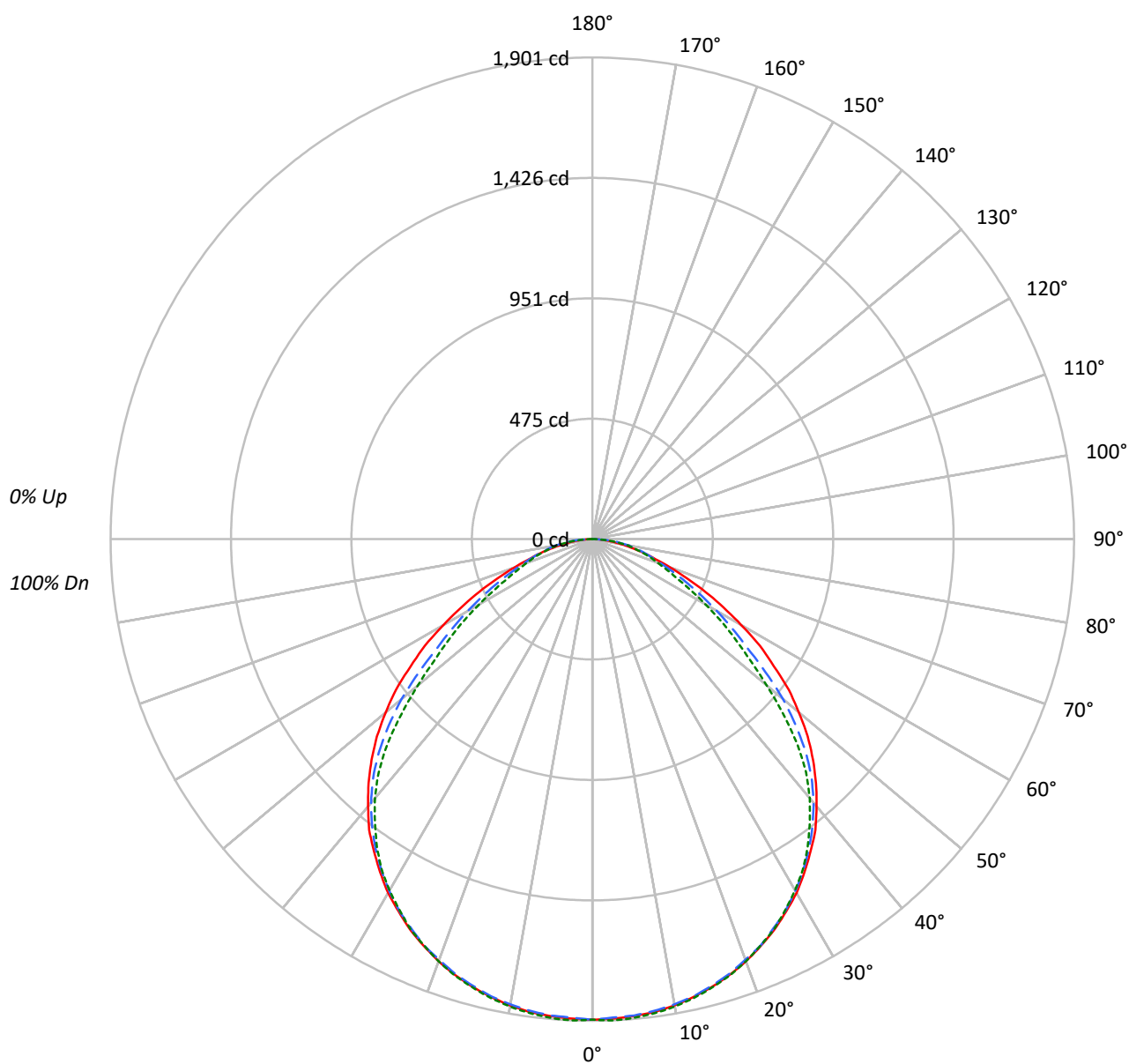
Lumens per Lamp: N/A
Luminaire Lumens: 4729.5 lumens
Efficiency: N/A
Efficacy: 95.0 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.25 / 1.34
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

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	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°	5104	5104	5104
5°	5104	5098	5123
10°	5106	5094	5119
15°	5096	5083	5102
20°	5077	5058	5077
25°	5050	5029	5043
30°	5009	4980	4973
35°	4936	4898	4867
40°	4835	4770	4688
45°	4687	4537	4350
50°	4454	4112	3760
55°	4105	3492	3239
60°	3654	3052	2775
65°	3135	2645	2363
70°	2588	2332	2166
75°	2182	2231	2111
80°	1844	2278	2171
85°	1445	2306	2019

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 4687 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	179.8	3.8
10°-20°	516.0	10.9
20°-30°	781.7	16.5
30°-40°	931.4	19.7
40°-50°	910.8	19.3
50°-60°	688.9	14.6
60°-70°	423.3	8.9
70°-80°	225.5	4.8
80°-90°	72.0	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°	1477.6	31.2
0°-40°	2409.0	50.9
0°-60°	4008.8	84.8
0°-90°	4729.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4729.5	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1897	1897	1897	1897	1897	
5°	1890	1892	1887	1894	1897	180
15°	1829	1831	1824	1831	1831	516
25°	1701	1698	1694	1696	1698	783
35°	1502	1500	1491	1484	1482	940
45°	1232	1225	1192	1152	1143	947
55°	875	830	744	702	690	783
65°	492	453	415	383	371	490
75°	210	212	215	208	203	225
85°	47	61	75	70	65	56
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1896.7	1896.7	1896.7	1896.7	1896.7
2.5°	1894.5	1896.7	1889.6	1899.2	1901.4
5°	1889.6	1892.1	1887.4	1894.5	1896.7
7.5°	1882.7	1882.7	1878.1	1885.0	1887.4
10°	1868.8	1868.8	1864.1	1871.0	1873.4
12.5°	1850.2	1850.2	1847.7	1852.4	1854.8
15°	1829.1	1831.3	1824.5	1831.3	1831.3
17.5°	1803.4	1801.2	1798.7	1803.4	1805.8
20°	1773.0	1773.0	1766.2	1770.8	1773.0
22.5°	1738.0	1738.0	1735.8	1738.0	1735.8
25°	1700.8	1698.3	1693.7	1696.1	1698.3
27.5°	1656.4	1656.4	1651.8	1651.8	1649.3
30°	1612.1	1609.7	1602.8	1598.1	1600.3
32.5°	1558.5	1556.0	1549.2	1544.5	1546.7
35°	1502.4	1500.2	1490.9	1483.8	1481.6
37.5°	1446.5	1439.4	1427.7	1418.4	1409.1
40°	1376.5	1369.4	1357.9	1336.8	1334.4
42.5°	1306.4	1299.6	1280.7	1255.2	1248.1
45°	1231.7	1224.9	1192.1	1152.4	1143.1
47.5°	1152.4	1140.9	1089.4	1040.4	1021.8
50°	1064.0	1042.9	982.2	919.2	898.1
52.5°	977.5	940.3	860.9	804.8	784.0
55°	874.9	830.5	744.3	702.2	690.4
57.5°	784.0	723.3	653.2	611.3	602.0
60°	678.9	622.8	567.0	529.5	515.6
62.5°	583.2	534.2	487.6	454.8	438.7
65°	492.3	452.6	415.4	382.6	371.1
67.5°	403.6	382.6	352.2	326.7	319.6
70°	328.9	317.2	296.4	284.6	275.3
72.5°	261.3	266.0	252.0	247.4	240.3
75°	209.9	212.4	214.6	207.7	203.0
77.5°	158.7	170.2	179.5	174.9	170.2
80°	119.0	130.5	147.0	140.1	140.1
82.5°	81.6	95.8	109.7	105.1	102.6
85°	46.8	60.7	74.7	70.0	65.4
87.5°	18.6	30.4	32.6	32.6	30.4
90°	0.0	0.0	0.0	0.0	0.0



— 0°-180° - - 45°-225° 90°-270°

(END OF REPORT)