

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: P1050168

Luminaire Tested: PTR-14-60-PB1-L930-UNV-STD-W

Issue Date: 7/11/2025

Test Information

Test Method: LM-79-2019
Report Number: P1050168
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-L930-UNV-STD-W
Description: 8000 LUMEN 1X4 PERCEIVE PT TROFFER WITH 3000K, 90 CRI LEDS AND BEVEL LENS

Light Source:
Ballast/Driver: -

Summary

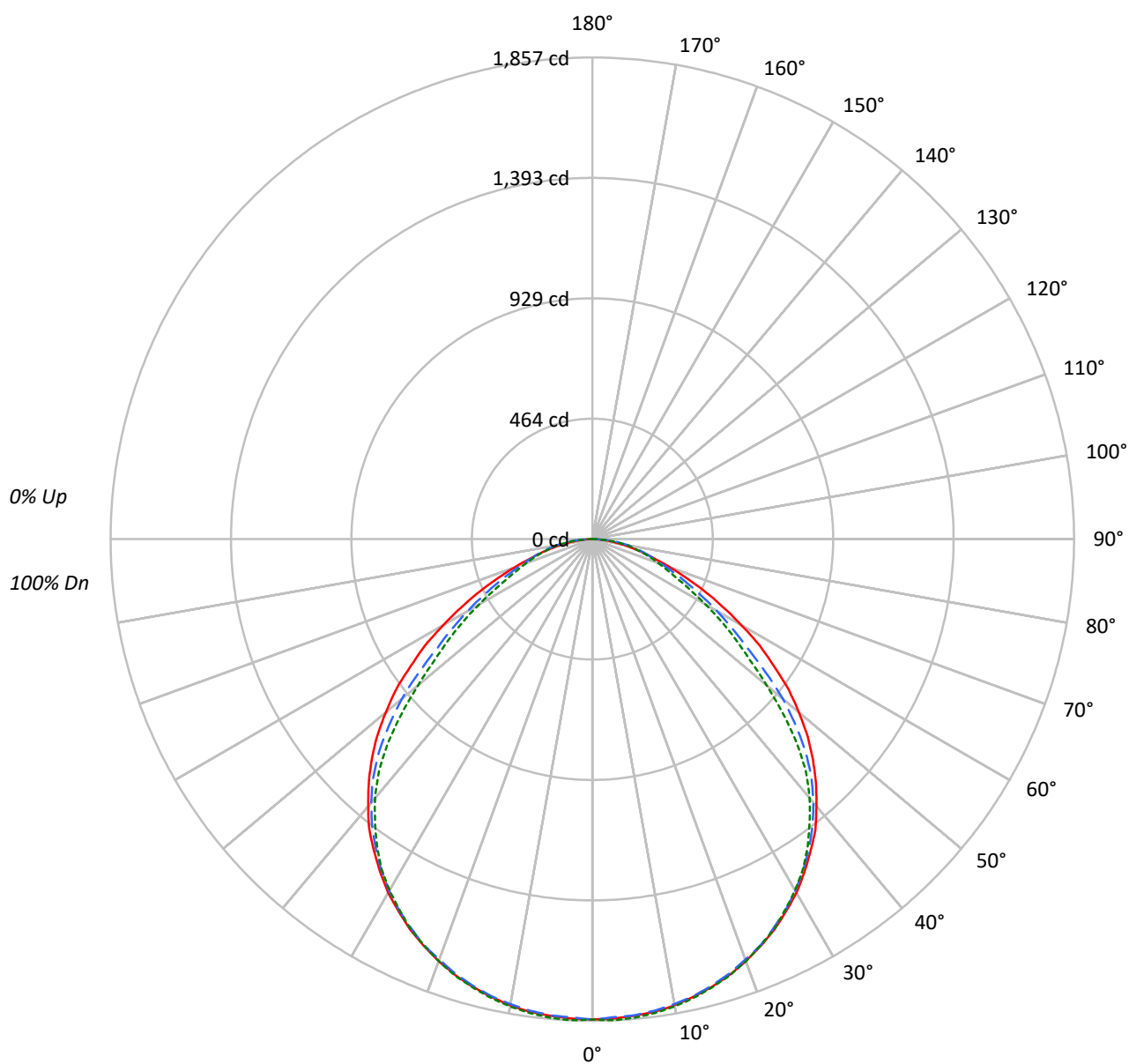
Lumens per Lamp: N/A
Luminaire Lumens: 4618.3 lumens
Efficiency: N/A
Efficacy: 92.7 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.25 / 1.34
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

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	102	102	100
1	110	105	101	98	107	103	99	96	99	96	93	95	93	90	91	89	88	88	88	86
2	100	93	86	81	98	91	85	80	87	83	78	84	80	77	81	78	75	75	75	73
3	92	82	75	69	90	81	74	68	78	72	67	75	70	66	73	68	64	64	64	62
4	85	73	65	59	83	72	64	58	70	63	58	67	62	57	65	60	56	56	56	54
5	78	66	57	51	76	65	57	51	63	56	50	61	55	50	59	54	49	49	49	47
6	72	60	51	45	71	59	51	45	57	50	44	55	49	44	54	48	44	44	44	42
7	67	54	46	40	66	53	45	40	52	45	39	51	44	39	49	43	39	39	39	37
8	63	50	41	36	61	49	41	36	48	41	35	46	40	35	45	39	35	35	35	33
9	59	46	38	32	57	45	37	32	44	37	32	43	36	32	42	36	32	32	32	30
10	55	42	34	29	54	42	34	29	41	34	29	40	33	29	39	33	29	29	29	27

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	4984	4984	4984
5°	4984	4978	5003
10°	4986	4974	4999
15°	4976	4963	4982
20°	4958	4939	4958
25°	4931	4910	4924
30°	4891	4863	4856
35°	4819	4782	4753
40°	4722	4658	4577
45°	4577	4430	4248
50°	4349	4015	3671
55°	4008	3410	3163
60°	3568	2980	2709
65°	3061	2583	2307
70°	2527	2277	2115
75°	2131	2178	2062
80°	1801	2224	2120
85°	1411	2251	1973

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 4577 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	175.6	3.8
10°-20°	503.9	10.9
20°-30°	763.3	16.5
30°-40°	909.5	19.7
40°-50°	889.4	19.3
50°-60°	672.7	14.6
60°-70°	413.3	8.9
70°-80°	220.2	4.8
80°-90°	70.3	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°	1442.8	31.2
0°-40°	2352.3	50.9
0°-60°	3914.5	84.8
0°-90°	4618.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4618.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1852	1852	1852	1852	1852	
5°	1845	1848	1843	1850	1852	176
15°	1786	1788	1782	1788	1788	504
25°	1661	1658	1654	1656	1658	765
35°	1467	1465	1456	1449	1447	918
45°	1203	1196	1164	1125	1116	925
55°	854	811	727	686	674	765
65°	481	442	406	374	362	478
75°	205	207	210	203	198	220
85°	46	59	73	68	64	55
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1852.1	1852.1	1852.1	1852.1	1852.1
2.5°	1849.9	1852.1	1845.1	1854.5	1856.6
5°	1845.1	1847.5	1843.0	1849.9	1852.1
7.5°	1838.4	1838.4	1833.9	1840.6	1843.0
10°	1824.8	1824.8	1820.3	1827.0	1829.4
12.5°	1806.6	1806.6	1804.2	1808.8	1811.2
15°	1786.1	1788.2	1781.5	1788.2	1788.2
17.5°	1761.0	1758.8	1756.4	1761.0	1763.4
20°	1731.3	1731.3	1724.6	1729.2	1731.3
22.5°	1697.1	1697.1	1694.9	1697.1	1694.9
25°	1660.7	1658.4	1653.8	1656.2	1658.4
27.5°	1617.5	1617.5	1612.9	1612.9	1610.5
30°	1574.2	1571.8	1565.1	1560.5	1562.7
32.5°	1521.8	1519.4	1512.7	1508.2	1510.3
35°	1467.0	1464.9	1455.8	1448.9	1446.7
37.5°	1412.5	1405.6	1394.1	1385.0	1375.9
40°	1344.1	1337.2	1325.9	1305.4	1303.0
42.5°	1275.7	1269.0	1250.6	1225.7	1218.8
45°	1202.8	1196.1	1164.0	1125.3	1116.2
47.5°	1125.3	1114.0	1063.8	1016.0	997.8
50°	1038.9	1018.4	959.0	897.6	877.0
52.5°	954.5	918.1	840.7	785.9	765.6
55°	854.3	811.0	726.8	685.7	674.2
57.5°	765.6	706.2	637.8	597.0	587.9
60°	663.0	608.2	553.7	517.1	503.4
62.5°	569.4	521.6	476.2	444.1	428.3
65°	480.7	442.0	405.6	373.6	362.3
67.5°	394.1	373.6	343.9	319.0	312.1
70°	321.2	309.7	289.4	277.9	268.8
72.5°	255.2	259.7	246.1	241.6	234.6
75°	205.0	207.4	209.5	202.8	198.3
77.5°	155.0	166.2	175.3	170.8	166.2
80°	116.2	127.5	143.5	136.8	136.8
82.5°	79.6	93.5	107.1	102.6	100.2
85°	45.7	59.3	72.9	68.4	63.9
87.5°	18.2	29.7	31.8	31.8	29.7
90°	0.0	0.0	0.0	0.0	0.0



— 0°-180° - - 45°-225° 90°-270°

(END OF REPORT)