

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: P1050452

Luminaire Tested: PTR-14-50-PW1-L835-UNV-STD-W

Issue Date: 7/11/2025

Test Information

Test Method: LM-79-2019
Report Number: P1050452
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P737743)
Test Lab: INNOVATION CENTER
Issue Date: 7/11/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: PTR-14-50-PW1-L835-UNV-STD-W
Description: 8000 LUMEN 1X4 PERCEIVE PT TROFFER WITH 3500K, 80 CRI LEDS AND RIPPLE LENS

Light Source:
Ballast/Driver: -

Summary

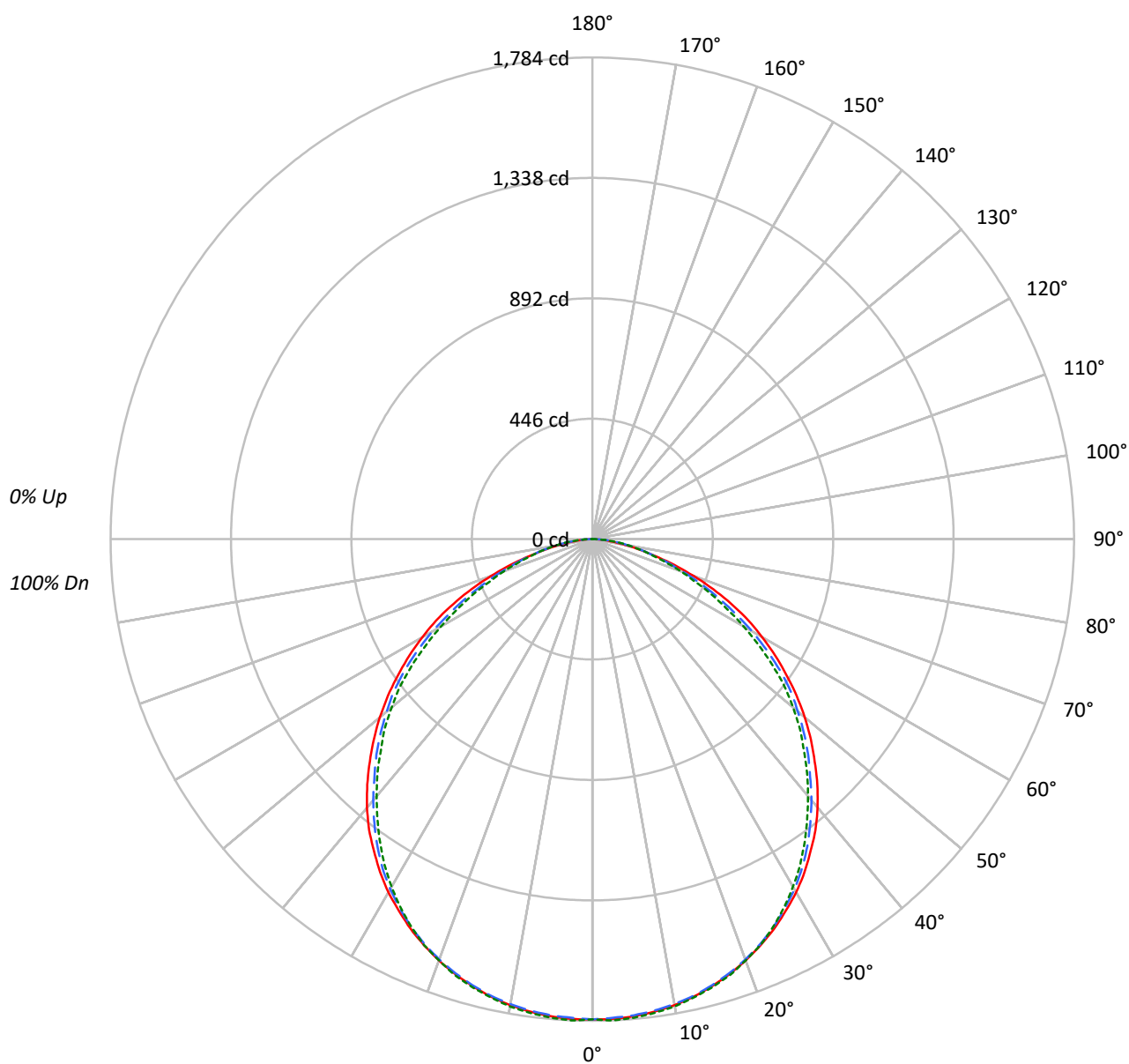
Lumens per Lamp: N/A
Luminaire Lumens: 4721.6 lumens
Efficiency: N/A
Efficacy: 115.4 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.24 / 1.34
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 40.9
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	95	98	95	92	94	92	90	91	89	87	87	87	85
2	100	92	85	80	97	90	84	79	86	81	77	83	79	75	80	77	74	74	74	71
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	57	68	61	56	66	60	55	64	59	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	62	48	40	34	60	48	40	34	46	39	34	45	38	34	44	38	33	33	33	31
9	58	44	36	31	56	44	36	31	43	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	28	38	32	27	27	27	26

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	4788	4788	4788
5°	4792	4781	4806
10°	4790	4779	4803
15°	4775	4768	4786
20°	4755	4745	4755
25°	4729	4709	4706
30°	4693	4652	4620
35°	4630	4560	4502
40°	4559	4435	4365
45°	4434	4302	4215
50°	4299	4159	4063
55°	4120	3981	3822
60°	3907	3676	3484
65°	3613	3282	3119
70°	3132	2858	2750
75°	2501	2445	2379
80°	1901	2123	2123
85°	1405	1812	1812

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 4434 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	168.7	3.6
10°-20°	484.0	10.2
20°-30°	731.4	15.5
30°-40°	868.5	18.4
40°-50°	875.0	18.5
50°-60°	756.3	16.0
60°-70°	516.9	10.9
70°-80°	254.9	5.4
80°-90°	65.9	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°	1384.1	29.3
0°-40°	2252.6	47.7
0°-60°	3883.9	82.3
0°-90°	4721.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4721.6	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1779	1779	1779	1779	1779	
5°	1774	1775	1770	1777	1779	169
15°	1714	1716	1711	1717	1718	484
25°	1593	1591	1586	1588	1585	734
35°	1410	1405	1388	1376	1370	882
45°	1165	1152	1130	1117	1108	899
55°	878	876	848	823	815	785
65°	568	547	516	493	490	560
75°	240	239	235	235	229	262
85°	46	53	59	60	59	56
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1779.2	1779.2	1779.2	1779.2	1779.2
2.5°	1778.7	1779.2	1774.6	1782.5	1784.4
5°	1773.9	1774.6	1770.1	1777.3	1779.2
7.5°	1765.5	1766.7	1761.4	1768.6	1770.1
10°	1752.8	1753.5	1749.0	1756.2	1757.6
12.5°	1735.8	1736.3	1732.5	1738.9	1738.9
15°	1714.0	1715.9	1711.4	1717.4	1717.8
17.5°	1689.6	1690.3	1685.7	1692.2	1693.7
20°	1660.6	1660.6	1656.8	1662.0	1660.6
22.5°	1628.3	1628.3	1623.7	1626.3	1627.5
25°	1592.8	1591.4	1586.1	1587.5	1584.9
27.5°	1551.8	1551.8	1542.5	1542.5	1537.9
30°	1510.4	1507.0	1497.2	1491.2	1486.7
32.5°	1462.7	1458.2	1445.7	1435.2	1431.8
35°	1409.5	1404.7	1388.2	1375.8	1370.5
37.5°	1358.0	1347.5	1325.7	1313.2	1307.3
40°	1297.9	1284.7	1262.5	1245.2	1242.6
42.5°	1233.5	1222.9	1193.9	1181.2	1178.1
45°	1165.0	1152.3	1130.5	1117.3	1107.5
47.5°	1097.6	1088.3	1063.4	1047.6	1044.2
50°	1027.0	1019.1	993.4	976.4	970.4
52.5°	953.9	948.6	926.8	905.0	897.9
55°	878.2	875.6	848.5	823.3	814.7
57.5°	803.7	800.4	766.6	737.6	729.7
60°	725.9	716.0	683.0	655.9	647.3
62.5°	652.1	631.0	595.3	574.2	564.4
65°	567.5	547.1	515.5	493.0	489.9
67.5°	484.6	460.2	435.8	421.9	411.3
70°	398.1	381.6	363.2	351.4	349.5
72.5°	317.6	305.9	296.6	289.4	283.4
75°	240.5	238.6	235.2	235.2	228.8
77.5°	176.8	181.3	184.0	183.3	184.7
80°	122.7	131.8	137.0	137.7	137.0
82.5°	77.9	88.4	97.0	98.2	99.7
85°	45.5	53.4	58.7	59.9	58.7
87.5°	20.4	25.6	27.1	28.3	27.1
90°	0.0	0.0	0.0	0.0	0.0



— 0°-180° - - 45°-225° 90°-270°

(END OF REPORT)