

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: P1050463

Luminaire Tested: PTR-14-60-PW1-L935-UNV-STD-W

Issue Date: 7/11/2025

Test Information

Test Method: LM-79-2019
Report Number: P1050463
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-14-60-PW1-L935-UNV-STD-W
Description: 8000 LUMEN 1X4 PERCEIVE PT TROFFER WITH 3500K, 90 CRI LEDS AND RIPPLE LENS

Light Source:
Ballast/Driver: -

Summary

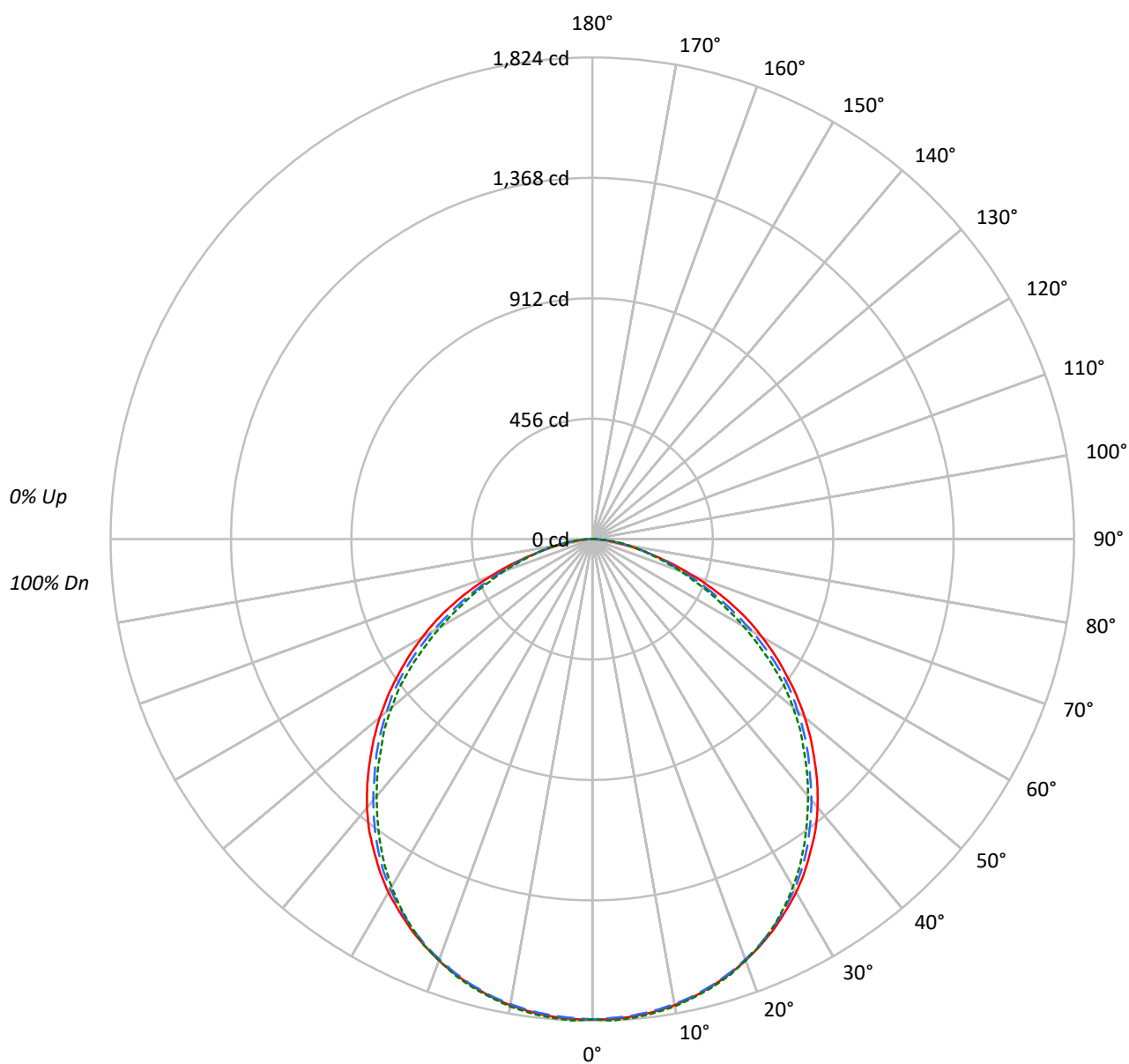
Lumens per Lamp: N/A
Luminaire Lumens: 4827.4 lumens
Efficiency: N/A
Efficacy: 96.9 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.24 / 1.34
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 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	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°	4895	4895	4895
5°	4899	4889	4914
10°	4897	4886	4910
15°	4882	4875	4893
20°	4862	4851	4862
25°	4835	4815	4811
30°	4799	4757	4723
35°	4734	4663	4603
40°	4662	4534	4463
45°	4533	4399	4309
50°	4396	4252	4154
55°	4213	4070	3908
60°	3994	3758	3562
65°	3694	3356	3189
70°	3203	2921	2811
75°	2557	2501	2432
80°	1943	2171	2171
85°	1436	1853	1853

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 4533 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	172.5	3.6
10°-20°	494.8	10.3
20°-30°	747.8	15.5
30°-40°	887.9	18.4
40°-50°	894.6	18.5
50°-60°	773.3	16.0
60°-70°	528.5	10.9
70°-80°	260.6	5.4
80°-90°	67.4	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°	1415.1	29.3
0°-40°	2303.1	47.7
0°-60°	3970.9	82.3
0°-90°	4827.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4827.4	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1819	1819	1819	1819	1819	
5°	1814	1814	1810	1817	1819	172
15°	1752	1754	1750	1756	1756	495
25°	1628	1627	1622	1623	1620	750
35°	1441	1436	1419	1407	1401	902
45°	1191	1178	1156	1142	1132	919
55°	898	895	868	842	833	803
65°	580	559	527	504	501	573
75°	246	244	240	240	234	268
85°	46	55	60	61	60	57
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1819.1	1819.1	1819.1	1819.1	1819.1
2.5°	1818.6	1819.1	1814.4	1822.5	1824.5
5°	1813.7	1814.4	1809.8	1817.1	1819.1
7.5°	1805.1	1806.3	1800.9	1808.3	1809.8
10°	1792.1	1792.9	1788.2	1795.6	1797.0
12.5°	1774.7	1775.2	1771.3	1777.9	1777.9
15°	1752.4	1754.4	1749.8	1755.9	1756.4
17.5°	1727.5	1728.2	1723.5	1730.2	1731.6
20°	1697.8	1697.8	1693.9	1699.3	1697.8
22.5°	1664.8	1664.8	1660.1	1662.8	1664.0
25°	1628.5	1627.0	1621.7	1623.1	1620.4
27.5°	1586.6	1586.6	1577.1	1577.1	1572.4
30°	1544.3	1540.8	1530.8	1524.7	1520.0
32.5°	1495.5	1490.9	1478.1	1467.4	1463.9
35°	1441.1	1436.2	1419.3	1406.6	1401.2
37.5°	1388.5	1377.7	1355.4	1342.7	1336.6
40°	1327.0	1313.5	1290.8	1273.1	1270.4
42.5°	1261.1	1250.3	1220.7	1207.7	1204.5
45°	1191.1	1178.1	1155.8	1142.3	1132.3
47.5°	1122.3	1112.7	1087.2	1071.1	1067.6
50°	1050.0	1041.9	1015.7	998.3	992.2
52.5°	975.3	969.9	947.6	925.3	918.0
55°	897.9	895.2	867.5	841.8	833.0
57.5°	821.7	818.3	783.8	754.1	746.0
60°	742.1	732.1	698.3	670.6	661.8
62.5°	666.7	645.1	608.6	587.1	577.0
65°	580.2	559.4	527.1	504.1	500.9
67.5°	495.5	470.5	445.5	431.3	420.5
70°	407.1	390.2	371.3	359.3	357.3
72.5°	324.8	312.8	303.2	295.9	289.7
75°	245.9	243.9	240.5	240.5	233.9
77.5°	180.8	185.4	188.1	187.4	188.8
80°	125.4	134.7	140.1	140.8	140.1
82.5°	79.6	90.4	99.2	100.4	101.9
85°	46.5	54.6	60.0	61.2	60.0
87.5°	20.8	26.2	27.7	28.9	27.7
90°	0.0	0.0	0.0	0.0	0.0



— 0°-180° - - 45°-225° 90°-270°

(END OF REPORT)