

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: P1050464

Luminaire Tested: PTR-14-60-PW1-L940-UNV-STD-W

Issue Date: 7/11/2025

Test Information

Test Method: LM-79-2019
Report Number: P1050464
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-L940-UNV-STD-W
Description: 8000 LUMEN 1X4 PERCEIVE PT TROFFER WITH 4000K, 90 CRI LEDS AND RIPPLE LENS

Light Source:
Ballast/Driver: -

Summary

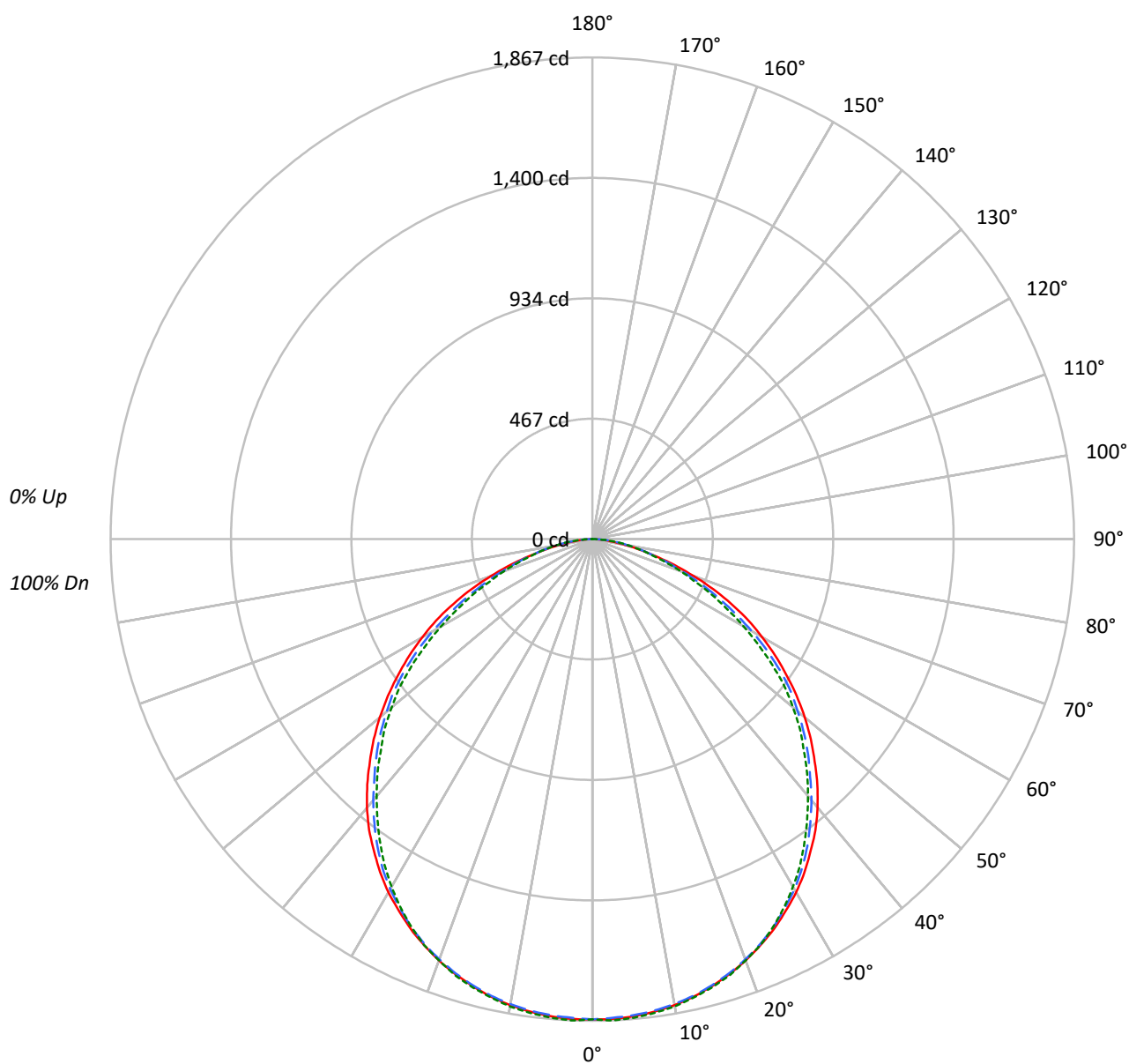
Lumens per Lamp: N/A
Luminaire Lumens: 4941.0 lumens
Efficiency: N/A
Efficacy: 99.2 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.24 / 1.34
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

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°	5010	5010	5010
5°	5015	5004	5029
10°	5012	5001	5026
15°	4997	4989	5008
20°	4977	4965	4977
25°	4949	4928	4925
30°	4911	4868	4834
35°	4846	4772	4711
40°	4771	4641	4568
45°	4639	4502	4410
50°	4499	4352	4251
55°	4312	4166	4000
60°	4088	3846	3646
65°	3782	3435	3265
70°	3278	2990	2878
75°	2617	2560	2489
80°	1990	2222	2222
85°	1470	1896	1896

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 4639 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	176.6	3.6
10°-20°	506.5	10.3
20°-30°	765.4	15.5
30°-40°	908.8	18.4
40°-50°	915.6	18.5
50°-60°	791.5	16.0
60°-70°	540.9	10.9
70°-80°	266.7	5.4
80°-90°	69.0	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°	1448.4	29.3
0°-40°	2357.3	47.7
0°-60°	4064.4	82.3
0°-90°	4941.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4941.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1862	1862	1862	1862	1862	
5°	1856	1857	1852	1860	1862	177
15°	1794	1796	1791	1797	1798	506
25°	1667	1665	1660	1661	1659	768
35°	1475	1470	1453	1440	1434	923
45°	1219	1206	1183	1169	1159	941
55°	919	916	888	862	853	822
65°	594	573	540	516	513	586
75°	252	250	246	246	239	274
85°	48	56	61	63	61	58
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1861.9	1861.9	1861.9	1861.9	1861.9
2.5°	1861.4	1861.9	1857.1	1865.4	1867.4
5°	1856.4	1857.1	1852.3	1859.9	1861.9
7.5°	1847.6	1848.8	1843.3	1850.8	1852.3
10°	1834.3	1835.0	1830.3	1837.8	1839.3
12.5°	1816.5	1817.0	1813.0	1819.8	1819.8
15°	1793.7	1795.7	1790.9	1797.2	1797.7
17.5°	1768.1	1768.9	1764.1	1770.9	1772.4
20°	1737.8	1737.8	1733.8	1739.3	1737.8
22.5°	1703.9	1703.9	1699.2	1701.9	1703.2
25°	1666.8	1665.3	1659.8	1661.3	1658.6
27.5°	1624.0	1624.0	1614.2	1614.2	1609.4
30°	1580.6	1577.1	1566.8	1560.5	1555.8
32.5°	1530.7	1525.9	1512.9	1501.9	1498.4
35°	1475.1	1470.0	1452.7	1439.7	1434.2
37.5°	1421.2	1410.1	1387.3	1374.3	1368.0
40°	1358.2	1344.4	1321.1	1303.1	1300.3
42.5°	1290.8	1279.8	1249.4	1236.1	1232.9
45°	1219.1	1205.8	1183.0	1169.2	1158.9
47.5°	1148.7	1138.9	1112.8	1096.3	1092.8
50°	1074.7	1066.4	1039.6	1021.8	1015.5
52.5°	998.2	992.7	969.9	947.1	939.6
55°	919.0	916.3	887.9	861.6	852.6
57.5°	841.1	837.6	802.2	771.9	763.6
60°	759.6	749.3	714.7	686.4	677.4
62.5°	682.4	660.3	623.0	600.9	590.6
65°	593.9	572.6	539.5	515.9	512.7
67.5°	507.1	481.6	456.0	441.5	430.4
70°	416.6	399.3	380.0	367.8	365.8
72.5°	332.4	320.1	310.4	302.8	296.6
75°	251.7	249.7	246.2	246.2	239.4
77.5°	185.0	189.8	192.5	191.8	193.3
80°	128.4	137.9	143.4	144.1	143.4
82.5°	81.5	92.5	101.5	102.8	104.3
85°	47.6	55.9	61.4	62.7	61.4
87.5°	21.3	26.8	28.3	29.6	28.3
90°	0.0	0.0	0.0	0.0	0.0



— 0°-180° - - 45°-225° 90°-270°

(END OF REPORT)