

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: P1050366

Luminaire Tested: PTR-14-60-PP3-L940-UNV-STD-W

Issue Date: 7/11/2025

Test Information

Test Method: LM-79-2019
Report Number: P1050366
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P737727)
Test Lab: INNOVATION CENTER
Issue Date: 7/11/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: PTR-14-60-PP3-L940-UNV-STD-W
Description: 8000 LUMEN 1X4 PERCEIVE PT TROFFER WITH 4000K, 90 CRI LEDS AND PRISM LENS

Light Source:
Ballast/Driver: -

Summary

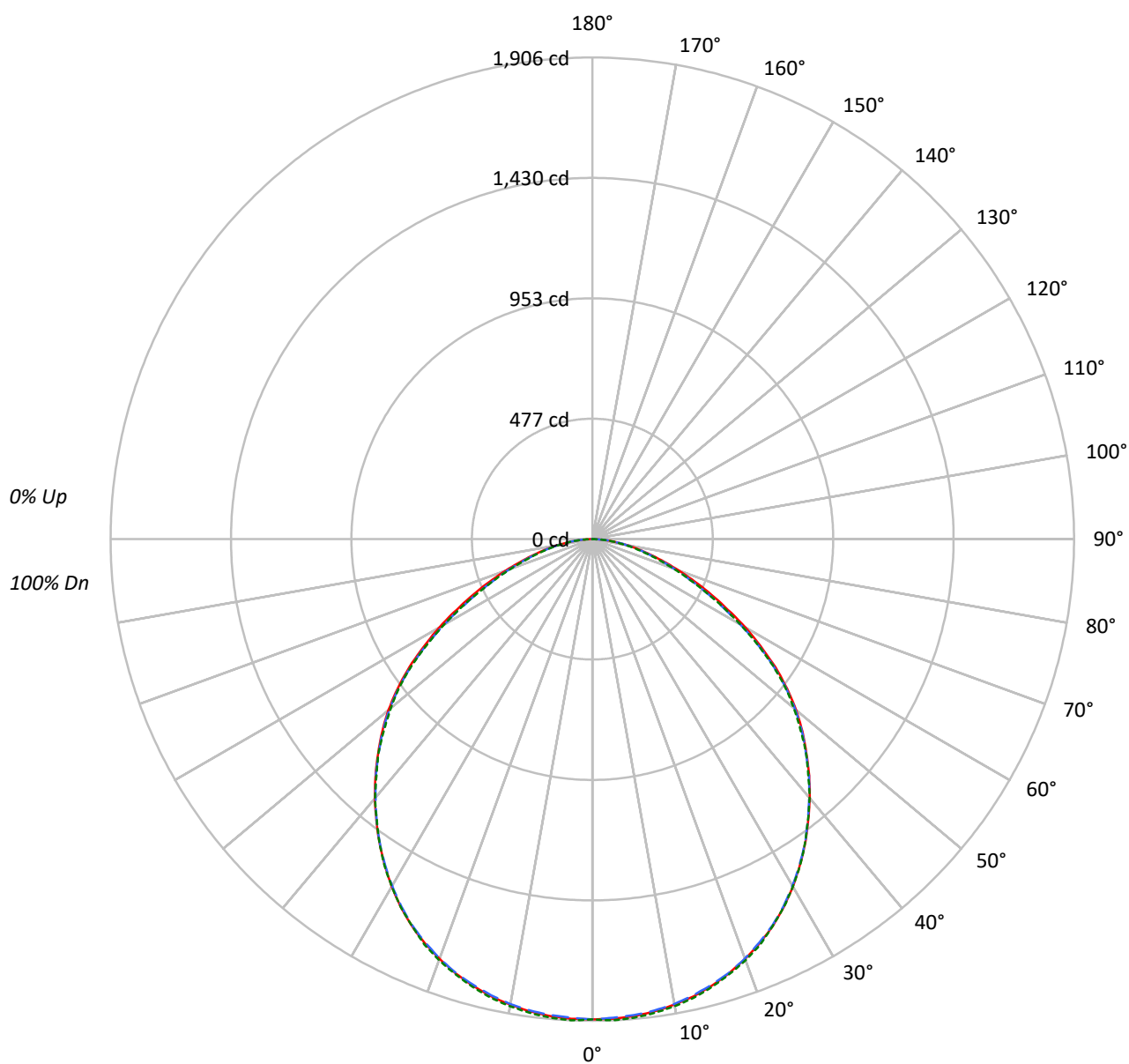
Lumens per Lamp: N/A
Luminaire Lumens: 4910.1 lumens
Efficiency: N/A
Efficacy: 98.6 lumens/watt
Spacing Criteria (0/90/45): 1.24 / 1.24 / 1.34
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

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	100		
1	109	105	101	97	107	103	99	96	99	96	93	95	92	90	91	89	87	85		
2	100	92	86	80	97	90	84	79	87	82	78	84	79	76	81	77	74	72		
3	92	81	74	67	89	80	73	67	77	71	66	74	69	65	72	67	63	61		
4	84	73	64	58	82	71	63	57	69	62	56	66	60	56	64	59	55	53		
5	77	65	56	50	75	64	56	50	62	55	49	60	54	49	58	52	48	46		
6	72	59	50	44	70	58	50	44	56	49	43	54	48	43	53	47	42	40		
7	66	53	45	39	65	52	44	39	51	44	38	50	43	38	48	42	38	36		
8	62	49	40	35	60	48	40	35	47	39	34	45	39	34	44	38	34	32		
9	58	45	37	31	57	44	36	31	43	36	31	42	35	31	41	35	31	29		
10	54	41	34	28	53	41	33	28	40	33	28	39	33	28	38	32	28	26		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	5114	5114	5114
5°	5119	5107	5135
10°	5111	5104	5128
15°	5095	5085	5108
20°	5061	5057	5078
25°	5016	5008	5014
30°	4932	4921	4932
35°	4824	4818	4822
40°	4701	4686	4698
45°	4560	4546	4552
50°	4407	4386	4355
55°	4149	4100	4087
60°	3765	3638	3645
65°	3307	3141	3136
70°	2859	2729	2698
75°	2473	2382	2330
80°	2191	2160	2063
85°	1812	1874	1763

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°

Vertical Angle: 45°

Luminance: 4575 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	180.2	3.7
10°-20°	516.3	10.5
20°-30°	777.3	15.8
30°-40°	917.4	18.7
40°-50°	922.7	18.8
50°-60°	778.9	15.9
60°-70°	500.2	10.2
70°-80°	248.8	5.1
80°-90°	68.2	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°	1473.8	30.0
0°-40°	2391.3	48.7
0°-60°	4092.9	83.4
0°-90°	4910.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4910.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1900	1900	1900	1900	1900	
5°	1895	1895	1891	1900	1901	180
15°	1829	1829	1825	1834	1834	516
25°	1689	1690	1687	1690	1689	777
35°	1468	1469	1466	1468	1468	918
45°	1198	1202	1195	1196	1196	925
55°	884	884	874	870	871	787
65°	519	512	493	488	492	518
75°	238	237	229	227	224	257
85°	59	61	61	57	57	69
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1900.4	1900.4	1900.4	1900.4	1900.4
2.5°	1899.6	1900.4	1895.4	1904.4	1905.9
5°	1894.9	1895.4	1890.6	1899.6	1900.9
7.5°	1885.1	1885.9	1881.6	1889.9	1891.4
10°	1870.6	1872.8	1867.8	1875.6	1876.8
12.5°	1852.8	1853.5	1848.5	1857.5	1859.0
15°	1828.7	1829.2	1825.2	1833.5	1833.5
17.5°	1800.9	1801.6	1798.9	1805.9	1805.1
20°	1767.3	1769.3	1765.8	1770.6	1773.3
22.5°	1730.7	1731.5	1727.2	1733.5	1736.2
25°	1689.3	1689.8	1686.6	1689.8	1688.6
27.5°	1641.0	1642.2	1637.5	1641.0	1641.7
30°	1587.1	1590.6	1583.8	1586.6	1587.1
32.5°	1529.2	1531.2	1526.4	1527.2	1530.7
35°	1468.5	1469.3	1466.5	1467.8	1467.8
37.5°	1403.1	1405.9	1401.6	1403.6	1400.9
40°	1338.2	1335.4	1333.9	1335.4	1337.4
42.5°	1269.8	1270.5	1268.5	1267.0	1263.8
45°	1198.1	1202.3	1194.6	1196.1	1196.1
47.5°	1127.9	1128.4	1124.4	1120.1	1117.4
50°	1052.7	1052.7	1047.7	1044.4	1040.2
52.5°	970.5	969.2	963.7	960.2	962.2
55°	884.3	883.5	874.0	870.5	871.2
57.5°	789.8	791.3	776.7	773.2	773.2
60°	699.5	692.5	676.0	671.2	677.2
62.5°	604.8	596.5	578.7	578.7	583.5
65°	519.3	511.8	493.3	488.3	492.5
67.5°	439.4	432.4	415.3	412.6	413.8
70°	363.4	357.4	346.9	340.6	342.9
72.5°	298.0	292.5	285.5	280.7	278.0
75°	237.9	236.6	229.1	226.8	224.1
77.5°	188.2	187.7	181.5	178.7	176.0
80°	141.4	140.6	139.4	135.1	133.1
82.5°	100.8	100.8	100.0	96.5	94.5
85°	58.7	60.7	60.7	57.1	57.1
87.5°	23.6	24.8	23.6	23.6	22.8
90°	0.0	0.0	0.0	0.0	0.0



— 0°-180° - - 45°-225° 90°-270°

(END OF REPORT)