

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: P1050118

Luminaire Tested: PTR-14-60-L850-UNV-STD-W

Issue Date: 7/11/2025

Test Information

Test Method: LM-79-2019
Report Number: P1050118
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2310-200-1)
Test Lab: INNOVATION CENTER
Issue Date: 7/11/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: PTR-14-60-L850-UNV-STD-W
Description: 8000 LUMEN 1X4 PERCEIVE PT TROFFER WITH 5000K, 80 CRI LEDS AND FROSTED LENS

Light Source:
Ballast/Driver: -

Summary

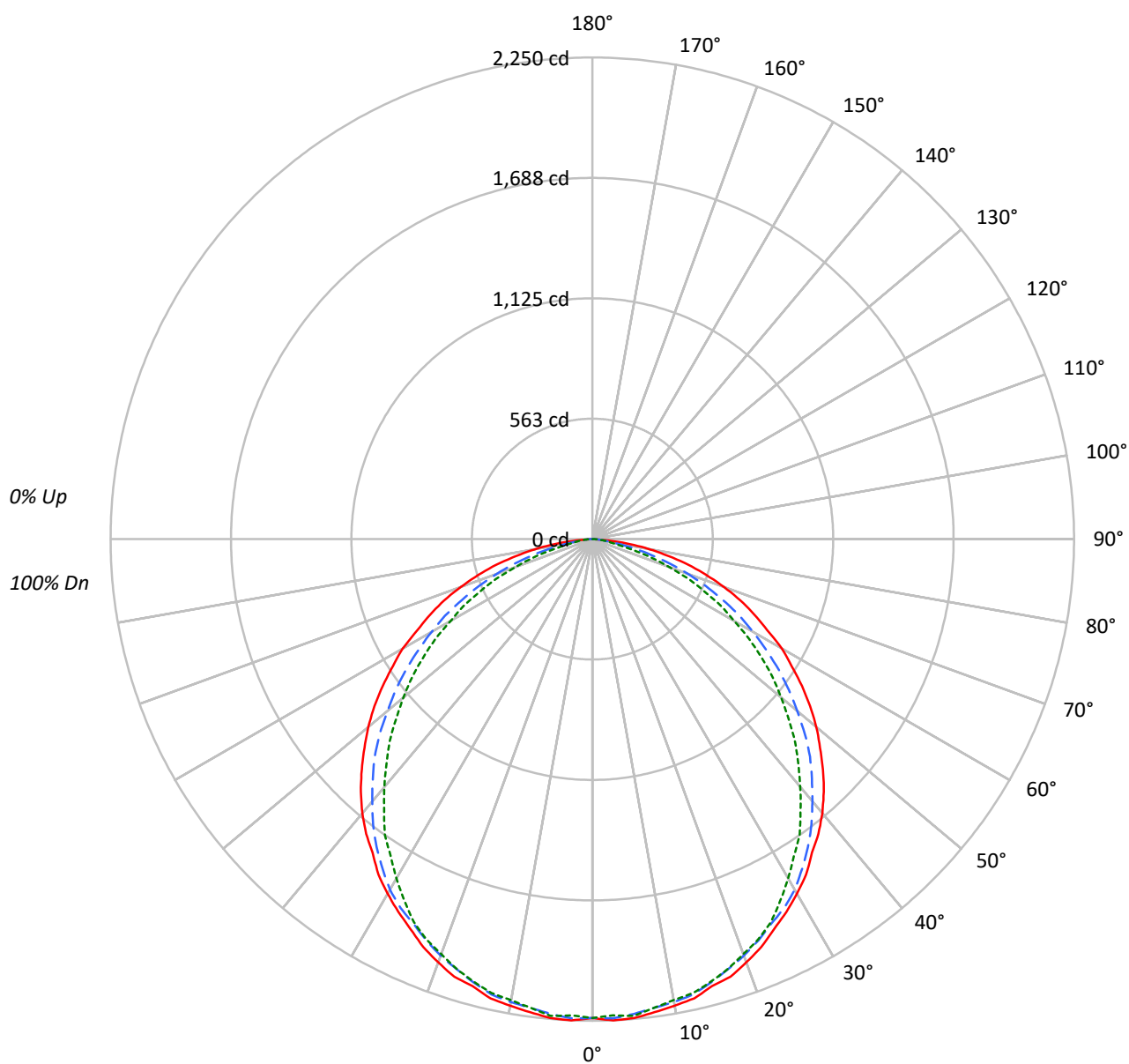
Lumens per Lamp: N/A
Luminaire Lumens: 5959.2 lumens
Efficiency: N/A
Efficacy: 119.7 lumens/watt
Spacing Criteria (0/90/45): 1.27 / 1.21 / 1.35
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

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

TEST NUMBER: P1050118

CATALOG NUMBER: PTR-14-60-L850-UNV-STD-W

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	96	98	95	93	95	92	90	91	89	87	87	87	85
2	100	92	85	80	97	90	84	79	87	81	77	83	79	75	80	77	74	74	74	72
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	56	68	61	56	66	60	55	64	58	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	61	48	40	34	60	47	39	34	46	39	34	45	38	33	44	38	33	33	33	31
9	57	44	36	31	56	44	36	30	42	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	27	37	32	27	27	27	26

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	6020	6020	6020
5°	6065	6015	6040
10°	6048	6000	5975
15°	6021	5973	5962
20°	6025	5930	5907
25°	5966	5879	5859
30°	5941	5875	5685
35°	5874	5769	5546
40°	5870	5617	5308
45°	5796	5471	5096
50°	5718	5227	4820
55°	5607	4982	4526
60°	5507	4661	4109
65°	5320	4276	3674
70°	5147	3722	2998
75°	4835	2937	2064
80°	4192	1776	1238
85°	2797	1275	1192

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 5796 cd/sqm

TEST NUMBER: P1050118

CATALOG NUMBER: PTR-14-60-L850-UNV-STD-W

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	212.1	3.6
10°-20°	606.8	10.2
20°-30°	916.6	15.4
30°-40°	1089.9	18.3
40°-50°	1105.3	18.5
50°-60°	959.8	16.1
60°-70°	681.4	11.4
70°-80°	325.6	5.5
80°-90°	61.7	1.0
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°	1735.5	29.1
0°-40°	2825.4	47.4
0°-60°	4890.5	82.1
0°-90°	5959.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5959.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2237	2237	2237	2237	2237	
5°	2245	2237	2227	2232	2236	213
15°	2161	2167	2144	2141	2140	612
25°	2009	2007	1980	1988	1973	928
35°	1788	1786	1756	1696	1688	1124
45°	1523	1510	1438	1362	1339	1175
55°	1195	1159	1062	999	965	1068
65°	836	773	672	600	577	827
75°	465	380	282	224	198	488
85°	91	48	41	40	39	114
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2237.2	2237.2	2237.2	2237.2	2237.2
2.5°	2250.5	2242.6	2239.9	2249.2	2226.6
5°	2245.2	2237.2	2226.6	2231.9	2235.9
7.5°	2229.2	2222.6	2207.9	2219.9	2207.9
10°	2213.2	2206.6	2195.9	2199.9	2186.6
12.5°	2197.2	2181.3	2178.6	2181.3	2171.9
15°	2161.3	2166.6	2143.9	2141.3	2140.0
17.5°	2143.9	2130.6	2106.6	2108.0	2105.3
20°	2104.0	2088.0	2070.7	2068.0	2062.7
22.5°	2062.7	2044.0	2028.0	2036.0	2024.0
25°	2009.4	2006.7	1980.1	1988.0	1973.4
27.5°	1962.7	1953.4	1941.4	1924.1	1902.8
30°	1912.1	1902.8	1890.8	1845.5	1829.5
32.5°	1858.8	1848.1	1824.2	1770.9	1753.5
35°	1788.2	1785.5	1756.2	1696.2	1688.2
37.5°	1734.9	1705.6	1681.6	1620.3	1597.6
40°	1670.9	1654.9	1599.0	1540.3	1511.0
42.5°	1600.3	1581.6	1517.7	1455.1	1423.1
45°	1523.0	1509.7	1437.7	1361.8	1339.1
47.5°	1443.1	1431.1	1345.8	1272.5	1243.2
50°	1365.8	1351.1	1248.5	1177.9	1151.3
52.5°	1281.8	1257.9	1156.6	1087.3	1062.0
55°	1195.2	1159.3	1062.0	999.4	964.7
57.5°	1103.3	1070.0	962.0	896.8	868.8
60°	1023.3	976.7	866.1	799.5	763.5
62.5°	920.7	880.8	775.5	696.9	679.6
65°	835.5	772.8	671.6	599.6	577.0
67.5°	748.8	675.6	573.0	499.7	487.7
70°	654.2	578.3	473.0	401.1	381.1
72.5°	558.3	483.7	381.1	305.1	293.1
75°	465.0	379.8	282.5	223.9	198.5
77.5°	363.8	286.5	198.5	137.2	121.3
80°	270.5	193.2	114.6	81.3	79.9
82.5°	177.2	111.9	61.3	62.6	60.0
85°	90.6	48.0	41.3	40.0	38.6
87.5°	17.3	18.7	20.0	20.0	20.0
90°	0.0	0.0	0.0	0.0	0.0



— 0°-180° - - 45°-225° 90°-270°

(END OF REPORT)