

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: P1050167

Luminaire Tested: PTR-14-60-PB1-L850-UNV-STD-W

Issue Date: 7/11/2025

Test Information

Test Method: LM-79-2019
Report Number: P1050167
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P737703)
Test Lab: INNOVATION CENTER
Issue Date: 7/11/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: PTR-14-60-PB1-L850-UNV-STD-W
Description: 8000 LUMEN 1X4 PERCEIVE PT TROFFER WITH 5000K, 80 CRI LEDS AND BEVEL LENS

Light Source:
Ballast/Driver: -

Summary

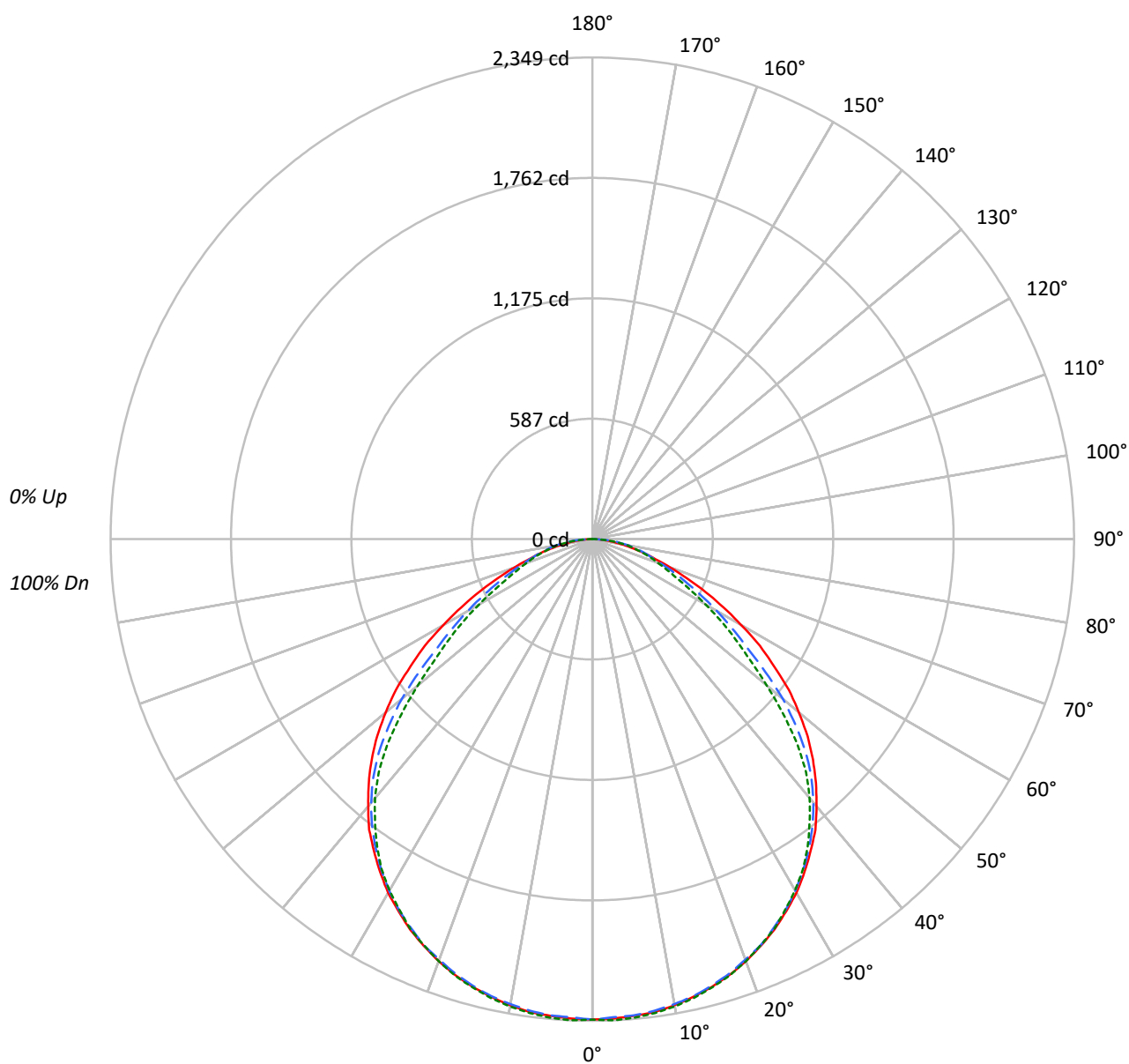
Lumens per Lamp: N/A
Luminaire Lumens: 5842.4 lumens
Efficiency: N/A
Efficacy: 117.3 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.25 / 1.34
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

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

TEST NUMBER: P1050167

CATALOG NUMBER: PTR-14-60-PB1-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	110	105	101	98	107	103	99	96	99	96	93	95	93	90	91	89	88	88	88	86
2	100	93	86	81	98	91	85	80	87	83	78	84	80	77	81	78	75	75	75	73
3	92	82	75	69	90	81	74	68	78	72	67	75	70	66	73	68	64	64	64	62
4	85	73	65	59	83	72	64	58	70	63	58	67	62	57	65	60	56	56	56	54
5	78	66	57	51	76	65	57	51	63	56	50	61	55	50	59	54	49	49	49	47
6	72	60	51	45	71	59	51	45	57	50	44	55	49	44	54	48	44	44	44	42
7	67	54	46	40	66	53	45	40	52	45	39	51	44	39	49	43	39	39	39	37
8	63	50	41	36	61	49	41	36	48	41	35	46	40	35	45	39	35	35	35	33
9	59	46	38	32	57	45	37	32	44	37	32	43	36	32	42	36	32	32	32	30
10	55	42	34	29	54	42	34	29	41	34	29	40	33	29	39	33	29	29	29	27

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	6305	6305	6305
5°	6305	6298	6329
10°	6308	6292	6324
15°	6295	6279	6302
20°	6272	6248	6272
25°	6238	6212	6229
30°	6188	6152	6143
35°	6097	6050	6012
40°	5973	5892	5790
45°	5791	5604	5374
50°	5502	5079	4645
55°	5070	4314	4001
60°	4514	3770	3428
65°	3872	3267	2919
70°	3197	2880	2676
75°	2696	2755	2608
80°	2278	2813	2682
85°	1785	2850	2495

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 5791 cd/sqm

TEST NUMBER: P1050167

CATALOG NUMBER: PTR-14-60-PB1-L850-UNV-STD-W

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	222.2	3.8
10°-20°	637.5	10.9
20°-30°	965.6	16.5
30°-40°	1150.6	19.7
40°-50°	1125.2	19.3
50°-60°	851.1	14.6
60°-70°	522.9	8.9
70°-80°	278.6	4.8
80°-90°	88.9	1.5
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°	1825.2	31.2
0°-40°	2975.8	50.9
0°-60°	4952.1	84.8
0°-90°	5842.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5842.4	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2343	2343	2343	2343	2343	
5°	2334	2337	2332	2340	2343	222
15°	2260	2262	2254	2262	2262	638
25°	2101	2098	2092	2095	2098	968
35°	1856	1853	1842	1833	1830	1161
45°	1522	1513	1472	1424	1412	1170
55°	1081	1026	920	867	853	968
65°	608	559	513	473	458	605
75°	259	262	265	257	251	278
85°	58	75	92	86	81	69
90°	0	0	0	0	0	

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CATALOG NUMBER: PTR-14-60-PB1-L850-UNV-STD-W

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2343.0	2343.0	2343.0	2343.0	2343.0
2.5°	2340.3	2343.0	2334.2	2346.0	2348.7
5°	2334.2	2337.2	2331.5	2340.3	2343.0
7.5°	2325.7	2325.7	2320.0	2328.5	2331.5
10°	2308.5	2308.5	2302.8	2311.2	2314.3
12.5°	2285.5	2285.5	2282.5	2288.2	2291.3
15°	2259.5	2262.2	2253.7	2262.2	2262.2
17.5°	2227.7	2225.0	2222.0	2227.7	2230.7
20°	2190.2	2190.2	2181.7	2187.5	2190.2
22.5°	2146.9	2146.9	2144.2	2146.9	2144.2
25°	2100.9	2097.9	2092.2	2095.2	2097.9
27.5°	2046.2	2046.2	2040.4	2040.4	2037.4
30°	1991.4	1988.4	1979.9	1974.2	1976.9
32.5°	1925.2	1922.1	1913.7	1907.9	1910.6
35°	1855.9	1853.2	1841.7	1832.9	1830.2
37.5°	1786.9	1778.1	1763.6	1752.1	1740.6
40°	1700.4	1691.6	1677.4	1651.4	1648.3
42.5°	1613.8	1605.4	1582.1	1550.6	1541.8
45°	1521.6	1513.1	1472.5	1423.5	1412.0
47.5°	1423.5	1409.3	1345.8	1285.3	1262.3
50°	1314.3	1288.3	1213.2	1135.5	1109.5
52.5°	1207.5	1161.5	1063.5	994.2	968.5
55°	1080.7	1026.0	919.5	867.4	852.9
57.5°	968.5	893.4	806.9	755.2	743.7
60°	838.7	769.4	700.4	654.1	636.9
62.5°	720.4	659.9	602.4	561.8	541.9
65°	608.1	559.1	513.1	472.6	458.4
67.5°	498.6	472.6	435.1	403.6	394.8
70°	406.3	391.8	366.1	351.6	340.1
72.5°	322.8	328.6	311.3	305.6	296.8
75°	259.3	262.3	265.0	256.6	250.8
77.5°	196.1	210.3	221.8	216.0	210.3
80°	147.0	161.3	181.5	173.1	173.1
82.5°	100.8	118.3	135.5	129.8	126.8
85°	57.8	75.0	92.3	86.5	80.8
87.5°	23.0	37.5	40.2	40.2	37.5
90°	0.0	0.0	0.0	0.0	0.0



— 0°-180° - - 45°-225° 90°-270°

(END OF REPORT)