

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: P1050314

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

Issue Date: 7/11/2025

Test Information

Test Method: LM-79-2019
Report Number: P1050314
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2409-224-3)
Test Lab: INNOVATION CENTER
Issue Date: 7/11/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: PTR-14-60-PLG-L850-UNV-STD-W
Description: 8000 LUMEN 1X4 PERCEIVE PT TROFFER WITH 5000K, 80 CRI LEDS AND LOW GLARE LENS

Light Source:
Ballast/Driver: -

Summary

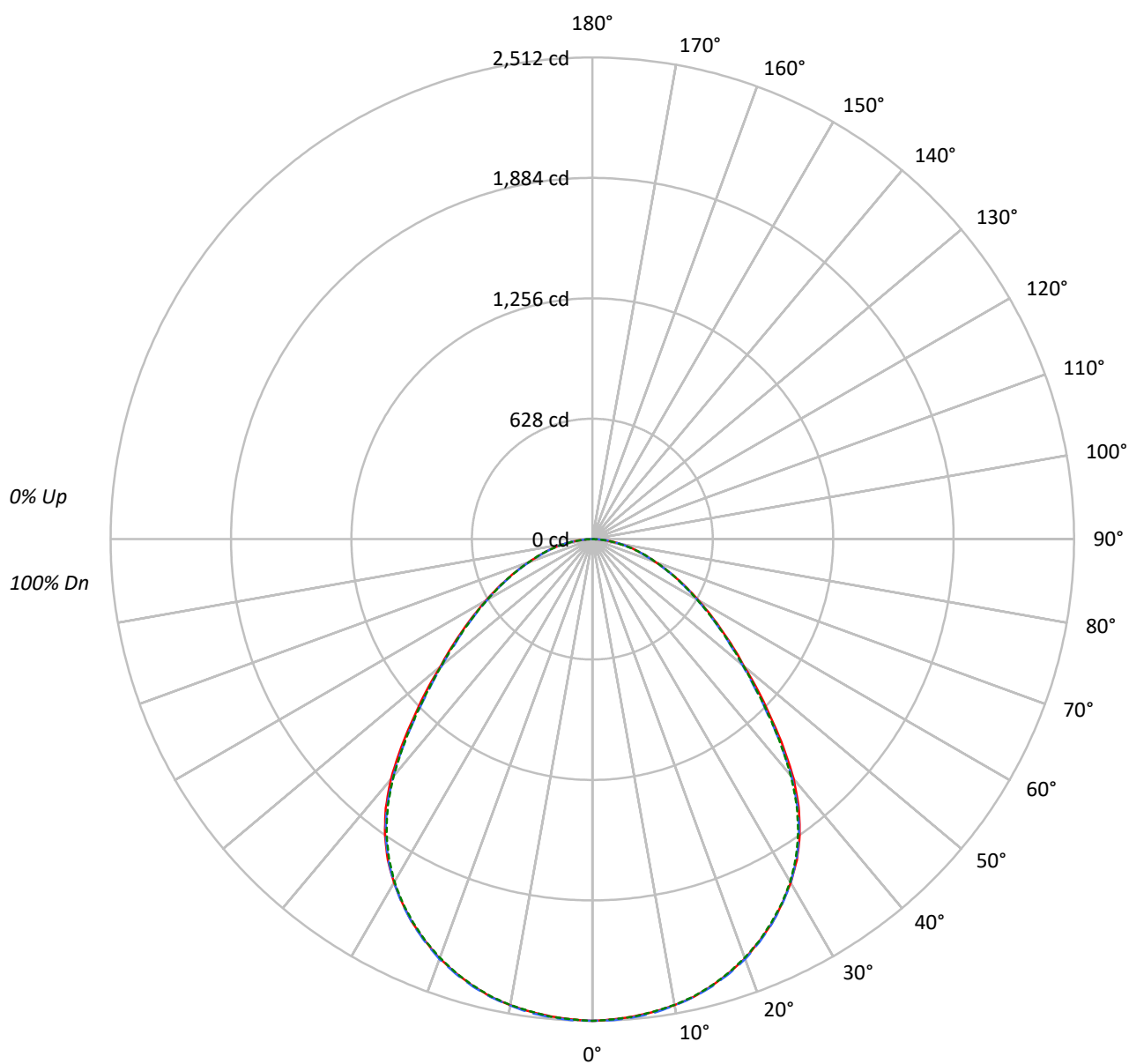
Lumens per Lamp: N/A
Luminaire Lumens: 5661.2 lumens
Efficiency: N/A
Efficacy: 113.7 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.22 / 1.26
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

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	110	106	102	98	107	103	100	97	99	96	94	95	93	91	92	90	88	86	84	86
2	101	94	87	82	99	92	86	81	88	84	79	85	81	78	82	79	76	74	72	74
3	93	83	76	70	91	82	75	69	79	73	68	76	71	67	74	69	66	64	62	64
4	86	75	67	60	84	73	66	60	71	64	59	69	63	58	67	62	58	56	54	56
5	79	67	59	53	77	66	58	53	64	57	52	62	56	51	61	55	51	49	47	49
6	74	61	53	47	72	60	52	47	58	51	46	57	51	46	55	50	45	43	41	43
7	69	56	48	42	67	55	47	42	54	46	41	52	46	41	51	45	41	39	37	39
8	64	51	43	38	62	51	43	38	49	42	37	48	42	37	47	41	37	35	33	35
9	60	47	39	34	59	47	39	34	46	39	34	44	38	34	43	38	34	32	30	32
10	56	44	36	31	55	43	36	31	42	36	31	41	35	31	40	35	31	29	27	29

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	6761	6761	6761
5°	6748	6763	6753
10°	6744	6748	6739
15°	6716	6726	6711
20°	6664	6674	6653
25°	6570	6576	6554
30°	6427	6427	6411
35°	6192	6174	6145
40°	5738	5675	5656
45°	5015	4933	4954
50°	4330	4277	4300
55°	3848	3790	3798
60°	3445	3397	3397
65°	3088	3065	3077
70°	2778	2750	2778
75°	2577	2540	2577
80°	2404	2376	2294
85°	2038	2038	1815

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 5015 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	237.9	4.2
10°-20°	680.6	12.0
20°-30°	1018.4	18.0
30°-40°	1166.8	20.6
40°-50°	1009.2	17.8
50°-60°	730.4	12.9
60°-70°	481.1	8.5
70°-80°	261.9	4.6
80°-90°	75.1	1.3
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°	1936.9	34.2
0°-40°	3103.8	54.8
0°-60°	4843.3	85.6
0°-90°	5661.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5661.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2512	2512	2512	2512	2512	
5°	2498	2504	2504	2504	2500	238
15°	2411	2413	2414	2418	2409	680
25°	2213	2213	2215	2216	2208	1018
35°	1885	1883	1879	1878	1870	1171
45°	1318	1314	1296	1295	1302	1020
55°	820	817	808	802	810	738
65°	485	489	481	478	483	484
75°	248	248	244	244	248	264
85°	66	66	66	68	59	76
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2512.4	2512.4	2512.4	2512.4	2512.4
2.5°	2507.1	2512.4	2510.7	2512.4	2507.1
5°	2498.2	2503.5	2503.5	2503.5	2500.0
7.5°	2485.7	2489.3	2491.0	2492.8	2483.9
10°	2467.9	2471.4	2469.6	2473.2	2466.1
12.5°	2444.7	2444.7	2446.5	2450.0	2442.9
15°	2410.8	2412.6	2414.4	2417.9	2409.0
17.5°	2371.6	2373.4	2375.1	2376.9	2369.8
20°	2327.0	2327.0	2330.6	2332.3	2323.4
22.5°	2271.7	2271.7	2275.3	2280.6	2269.9
25°	2212.9	2212.9	2214.7	2216.4	2207.5
27.5°	2143.3	2143.3	2145.1	2150.5	2139.8
30°	2068.4	2066.7	2068.4	2070.2	2063.1
32.5°	1984.6	1982.8	1981.1	1982.8	1973.9
35°	1884.8	1883.0	1879.4	1877.6	1870.5
37.5°	1768.9	1765.3	1758.2	1758.2	1751.0
40°	1633.4	1624.4	1615.5	1612.0	1610.2
42.5°	1476.4	1469.3	1456.8	1455.0	1455.0
45°	1317.7	1314.2	1296.3	1294.6	1301.7
47.5°	1175.1	1166.2	1150.1	1146.6	1157.3
50°	1034.2	1036.0	1021.7	1016.4	1027.1
52.5°	923.7	920.1	907.6	904.0	913.0
55°	820.2	816.7	807.8	802.4	809.5
57.5°	725.7	724.0	715.0	713.3	716.8
60°	640.1	638.4	631.2	629.4	631.2
62.5°	559.9	559.9	552.8	549.2	554.6
65°	485.0	488.6	481.4	477.9	483.2
67.5°	417.3	420.8	413.7	410.1	417.3
70°	353.1	356.6	349.5	345.9	353.1
72.5°	297.8	299.6	294.2	292.4	301.3
75°	247.9	247.9	244.3	244.3	247.9
77.5°	201.5	199.7	197.9	197.9	194.4
80°	155.1	153.3	153.3	153.3	148.0
82.5°	110.6	107.0	108.8	110.6	101.6
85°	66.0	66.0	66.0	67.8	58.8
87.5°	26.7	26.7	25.0	26.7	23.2
90°	0.0	0.0	0.0	0.0	0.0



— 0°-180° - - 45°-225° 90°-270°

(END OF REPORT)