

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: P1050312

Luminaire Tested: PTR-14-60-PLG-L835-UNV-STD-W

Issue Date: 7/11/2025

Test Information

Test Method: LM-79-2019
Report Number: P1050312
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-L835-UNV-STD-W
Description: 8000 LUMEN 1X4 PERCEIVE PT TROFFER WITH 3500K, 80 CRI LEDS AND LOW GLARE LENS

Light Source:
Ballast/Driver: -

Summary

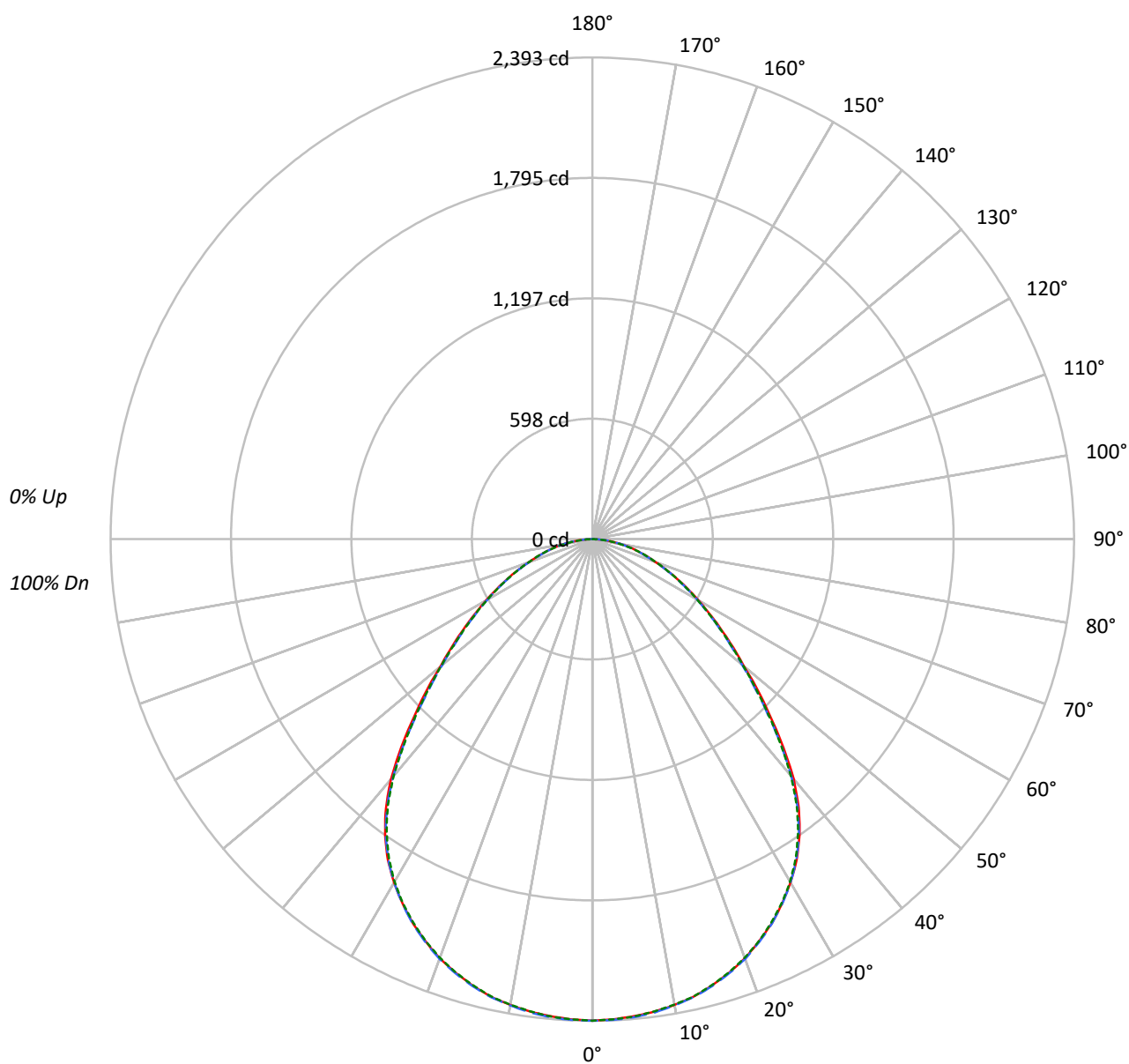
Lumens per Lamp: N/A
Luminaire Lumens: 5391.7 lumens
Efficiency: N/A
Efficacy: 108.3 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.22 / 1.26
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

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°	6439	6439	6439
5°	6427	6441	6431
10°	6422	6427	6418
15°	6396	6406	6392
20°	6346	6356	6337
25°	6258	6263	6242
30°	6121	6121	6105
35°	5897	5880	5852
40°	5465	5405	5387
45°	4776	4698	4718
50°	4124	4074	4095
55°	3665	3609	3617
60°	3281	3236	3236
65°	2941	2919	2930
70°	2645	2619	2645
75°	2455	2419	2455
80°	2289	2263	2185
85°	1939	1939	1729

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 4776 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	226.5	4.2
10°-20°	648.2	12.0
20°-30°	969.9	18.0
30°-40°	1111.2	20.6
40°-50°	961.1	17.8
50°-60°	695.6	12.9
60°-70°	458.2	8.5
70°-80°	249.4	4.6
80°-90°	71.5	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°	1844.7	34.2
0°-40°	2955.9	54.8
0°-60°	4612.6	85.6
0°-90°	5391.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5391.7	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2393	2393	2393	2393	2393	
5°	2379	2384	2384	2384	2381	226
15°	2296	2298	2299	2303	2294	648
25°	2108	2108	2109	2111	2102	969
35°	1795	1793	1790	1788	1781	1115
45°	1255	1252	1235	1233	1240	972
55°	781	778	769	764	771	703
65°	462	465	458	455	460	461
75°	236	236	233	233	236	251
85°	63	63	63	64	56	73
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2392.8	2392.8	2392.8	2392.8	2392.8
2.5°	2387.7	2392.8	2391.1	2392.8	2387.7
5°	2379.2	2384.3	2384.3	2384.3	2380.9
7.5°	2367.3	2370.7	2372.4	2374.1	2365.6
10°	2350.3	2353.7	2352.0	2355.4	2348.6
12.5°	2328.3	2328.3	2330.0	2333.4	2326.6
15°	2296.0	2297.7	2299.4	2302.8	2294.3
17.5°	2258.6	2260.3	2262.0	2263.7	2256.9
20°	2216.2	2216.2	2219.6	2221.3	2212.8
22.5°	2163.5	2163.5	2166.9	2172.0	2161.8
25°	2107.5	2107.5	2109.2	2110.9	2102.4
27.5°	2041.3	2041.3	2043.0	2048.1	2037.9
30°	1969.9	1968.2	1969.9	1971.6	1964.8
32.5°	1890.1	1888.4	1886.7	1888.4	1879.9
35°	1795.0	1793.3	1789.9	1788.2	1781.4
37.5°	1684.6	1681.2	1674.4	1674.4	1667.7
40°	1555.6	1547.1	1538.6	1535.2	1533.5
42.5°	1406.1	1399.3	1387.4	1385.7	1385.7
45°	1255.0	1251.6	1234.6	1232.9	1239.7
47.5°	1119.1	1110.6	1095.4	1092.0	1102.1
50°	985.0	986.7	973.1	968.0	978.2
52.5°	879.7	876.3	864.4	861.0	869.5
55°	781.2	777.8	769.3	764.2	771.0
57.5°	691.2	689.5	681.0	679.3	682.7
60°	609.7	608.0	601.2	599.5	601.2
62.5°	533.2	533.2	526.4	523.1	528.1
65°	461.9	465.3	458.5	455.1	460.2
67.5°	397.4	400.8	394.0	390.6	397.4
70°	336.2	339.6	332.9	329.5	336.2
72.5°	283.6	285.3	280.2	278.5	287.0
75°	236.1	236.1	232.7	232.7	236.1
77.5°	191.9	190.2	188.5	188.5	185.1
80°	147.7	146.0	146.0	146.0	141.0
82.5°	105.3	101.9	103.6	105.3	96.8
85°	62.8	62.8	62.8	64.5	56.0
87.5°	25.5	25.5	23.8	25.5	22.1
90°	0.0	0.0	0.0	0.0	0.0



— 0°-180° - - 45°-225° 90°-270°

(END OF REPORT)