

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: P1050295

Luminaire Tested: PTR-14-80-PLG-L935-UNV-STD-W

Issue Date: 7/11/2025

Test Information

Test Method: LM-79-2019
Report Number: P1050295
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-14-80-PLG-L935-UNV-STD-W
Description: 8000 LUMEN 1X4 PERCEIVE PT TROFFER WITH 3500K, 90 CRI LEDS AND LOW GLARE LENS

Light Source:
Ballast/Driver: -

Summary

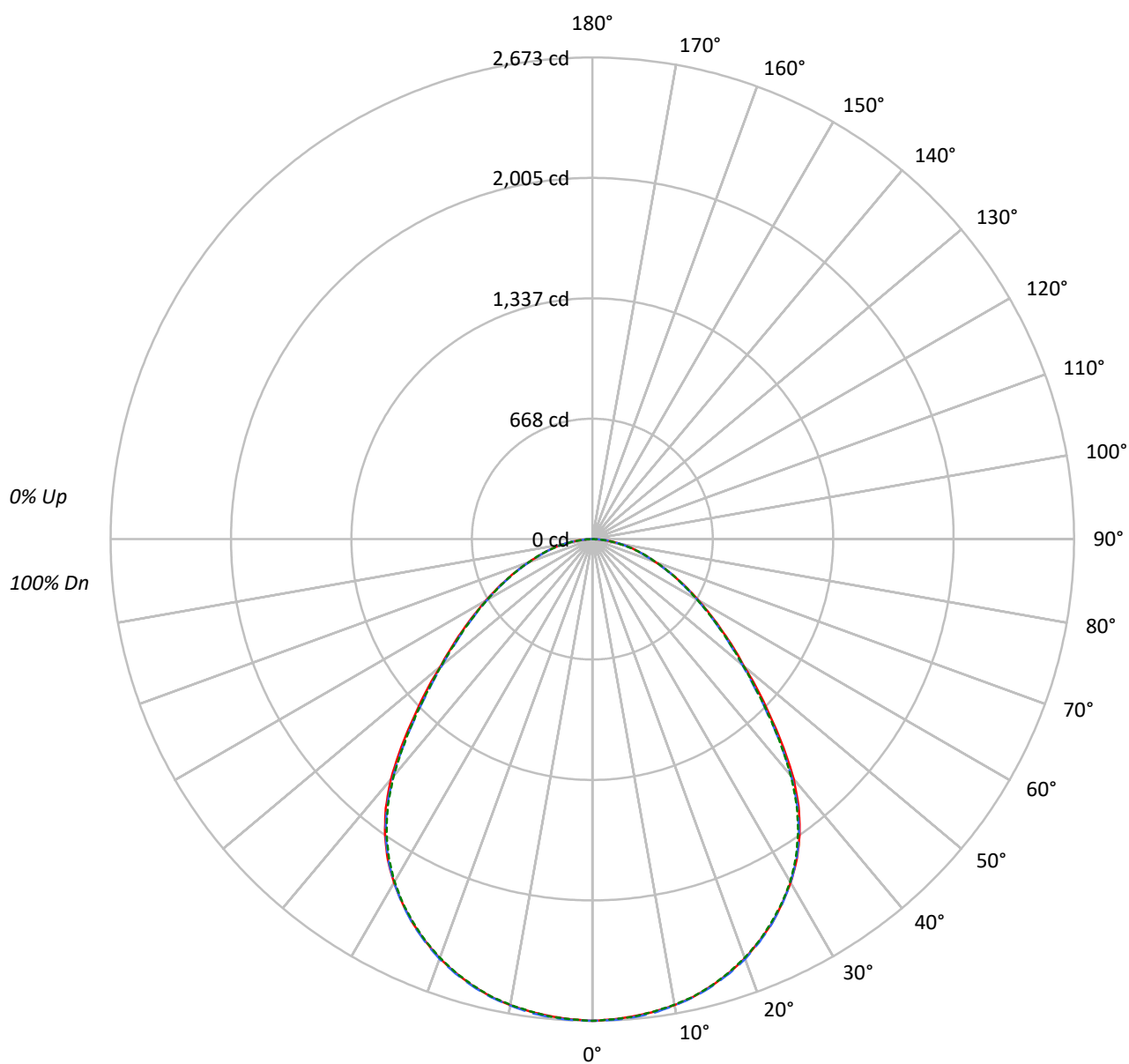
Lumens per Lamp: N/A
Luminaire Lumens: 6023.3 lumens
Efficiency: N/A
Efficacy: 84.8 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.22 / 1.26
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

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

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	7193	7193	7193
5°	7180	7195	7185
10°	7175	7180	7170
15°	7146	7156	7141
20°	7090	7101	7079
25°	6991	6996	6974
30°	6838	6838	6820
35°	6588	6569	6538
40°	6105	6038	6018
45°	5335	5249	5270
50°	4607	4551	4575
55°	4094	4032	4041
60°	3666	3615	3615
65°	3286	3261	3273
70°	2955	2925	2955
75°	2742	2702	2742
80°	2559	2529	2441
85°	2167	2167	1933

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 5335 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	253.1	4.2
10°-20°	724.2	12.0
20°-30°	1083.6	18.0
30°-40°	1241.4	20.6
40°-50°	1073.7	17.8
50°-60°	777.1	12.9
60°-70°	511.8	8.5
70°-80°	278.6	4.6
80°-90°	79.9	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°	2060.8	34.2
0°-40°	3302.2	54.8
0°-60°	5153.0	85.6
0°-90°	6023.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6023.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2673	2673	2673	2673	2673	
5°	2658	2664	2664	2664	2660	253
15°	2565	2567	2569	2573	2563	723
25°	2354	2354	2356	2358	2349	1083
35°	2005	2003	2000	1998	1990	1246
45°	1402	1398	1379	1377	1385	1086
55°	873	869	859	854	861	786
65°	516	520	512	508	514	515
75°	264	264	260	260	264	281
85°	70	70	70	72	63	81
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2673.1	2673.1	2673.1	2673.1	2673.1
2.5°	2667.4	2673.1	2671.2	2673.1	2667.4
5°	2657.9	2663.6	2663.6	2663.6	2659.8
7.5°	2644.7	2648.4	2650.3	2652.2	2642.8
10°	2625.7	2629.5	2627.6	2631.4	2623.8
12.5°	2601.0	2601.0	2602.9	2606.7	2599.1
15°	2565.0	2566.9	2568.8	2572.6	2563.1
17.5°	2523.2	2525.1	2527.0	2528.9	2521.3
20°	2475.8	2475.8	2479.6	2481.5	2472.0
22.5°	2417.0	2417.0	2420.8	2426.5	2415.1
25°	2354.4	2354.4	2356.3	2358.2	2348.7
27.5°	2280.4	2280.4	2282.3	2288.0	2276.6
30°	2200.7	2198.8	2200.7	2202.6	2195.0
32.5°	2111.5	2109.7	2107.8	2109.7	2100.2
35°	2005.3	2003.4	1999.6	1997.7	1990.1
37.5°	1882.0	1878.2	1870.6	1870.6	1863.0
40°	1737.8	1728.3	1718.8	1715.0	1713.1
42.5°	1570.9	1563.3	1550.0	1548.1	1548.1
45°	1402.0	1398.2	1379.2	1377.3	1384.9
47.5°	1250.2	1240.7	1223.7	1219.9	1231.3
50°	1100.4	1102.3	1087.1	1081.4	1092.8
52.5°	982.7	978.9	965.7	961.9	971.4
55°	872.7	868.9	859.4	853.7	861.3
57.5°	772.1	770.3	760.8	758.9	762.7
60°	681.1	679.2	671.6	669.7	671.6
62.5°	595.7	595.7	588.1	584.3	590.0
65°	516.0	519.8	512.2	508.4	514.1
67.5°	443.9	447.7	440.1	436.3	443.9
70°	375.6	379.4	371.8	368.1	375.6
72.5°	316.8	318.7	313.0	311.1	320.6
75°	263.7	263.7	259.9	259.9	263.7
77.5°	214.4	212.5	210.6	210.6	206.8
80°	165.1	163.2	163.2	163.2	157.5
82.5°	117.6	113.8	115.7	117.6	108.1
85°	70.2	70.2	70.2	72.1	62.6
87.5°	28.5	28.5	26.6	28.5	24.7
90°	0.0	0.0	0.0	0.0	0.0



— 0°-180° - - 45°-225° 90°-270°

(END OF REPORT)