

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: P1050801

Luminaire Tested: 24PTR-60-PLG-L840-UNV-STD-W

Issue Date: 7/11/2025

Test Information

Test Method: LM-79-2019
Report Number: P1050801
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: 24PTR-60-PLG-L840-UNV-STD-W
Description: 6000 LUMEN 2X4 PERCEIVE PT TROFFER WITH 4000K, 80 CRI LEDS AND LOW GLARE LENS

Light Source:
Ballast/Driver: -

Summary

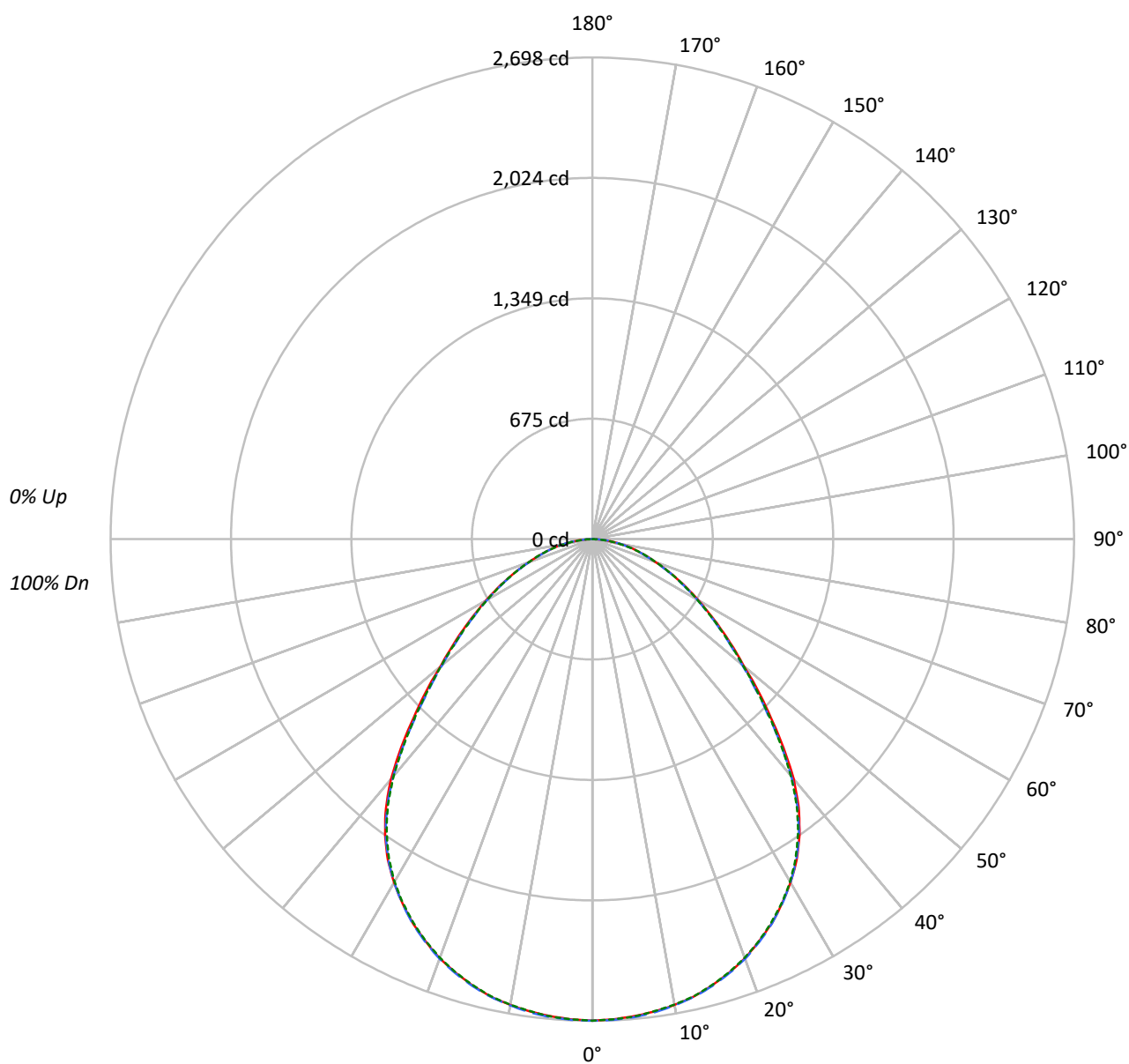
Lumens per Lamp: N/A
Luminaire Lumens: 6078.5 lumens
Efficiency: N/A
Efficacy: 119.2 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.22 / 1.26
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 51
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°	3630	3630	3630
5°	3623	3630	3625
10°	3620	3623	3618
15°	3606	3611	3603
20°	3577	3583	3572
25°	3527	3530	3519
30°	3450	3450	3441
35°	3324	3314	3299
40°	3080	3047	3037
45°	2692	2649	2659
50°	2324	2296	2308
55°	2066	2035	2039
60°	1850	1824	1824
65°	1658	1646	1652
70°	1491	1476	1491
75°	1383	1364	1383
80°	1291	1276	1231
85°	1093	1093	976

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 2692 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	255.4	4.2
10°-20°	730.8	12.0
20°-30°	1093.5	18.0
30°-40°	1252.8	20.6
40°-50°	1083.5	17.8
50°-60°	784.2	12.9
60°-70°	516.5	8.5
70°-80°	281.2	4.6
80°-90°	80.6	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°	2079.7	34.2
0°-40°	3332.5	54.8
0°-60°	5200.3	85.6
0°-90°	6078.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6078.5	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2698	2698	2698	2698	2698	
5°	2682	2688	2688	2688	2684	255
15°	2588	2590	2592	2596	2587	730
25°	2376	2376	2378	2380	2370	1093
35°	2024	2022	2018	2016	2008	1257
45°	1415	1411	1392	1390	1398	1096
55°	881	877	867	862	869	793
65°	521	525	517	513	519	520
75°	266	266	262	262	266	283
85°	71	71	71	73	63	82
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2697.6	2697.6	2697.6	2697.6	2697.6
2.5°	2691.9	2697.6	2695.7	2697.6	2691.9
5°	2682.3	2688.0	2688.0	2688.0	2684.2
7.5°	2668.9	2672.7	2674.6	2676.6	2667.0
10°	2649.8	2653.6	2651.7	2655.5	2647.8
12.5°	2624.9	2624.9	2626.8	2630.6	2623.0
15°	2588.5	2590.4	2592.3	2596.1	2586.6
17.5°	2546.4	2548.3	2550.2	2552.1	2544.5
20°	2498.5	2498.5	2502.3	2504.2	2494.7
22.5°	2439.2	2439.2	2443.0	2448.7	2437.2
25°	2376.0	2376.0	2377.9	2379.8	2370.2
27.5°	2301.3	2301.3	2303.2	2309.0	2297.5
30°	2220.9	2219.0	2220.9	2222.8	2215.1
32.5°	2130.9	2129.0	2127.1	2129.0	2119.4
35°	2023.7	2021.8	2017.9	2016.0	2008.4
37.5°	1899.2	1895.4	1887.8	1887.8	1880.1
40°	1753.7	1744.2	1734.6	1730.8	1728.9
42.5°	1585.3	1577.6	1564.2	1562.3	1562.3
45°	1414.9	1411.0	1391.9	1390.0	1397.6
47.5°	1261.7	1252.1	1234.9	1231.1	1242.6
50°	1110.4	1112.4	1097.0	1091.3	1102.8
52.5°	991.7	987.9	974.5	970.7	980.3
55°	880.7	876.9	867.3	861.6	869.2
57.5°	779.2	777.3	767.7	765.8	769.7
60°	687.3	685.4	677.8	675.8	677.8
62.5°	601.2	601.2	593.5	589.7	595.4
65°	520.8	524.6	516.9	513.1	518.8
67.5°	448.0	451.8	444.2	440.3	448.0
70°	379.1	382.9	375.3	371.4	379.1
72.5°	319.7	321.6	315.9	314.0	323.6
75°	266.1	266.1	262.3	262.3	266.1
77.5°	216.3	214.4	212.5	212.5	208.7
80°	166.6	164.7	164.7	164.7	158.9
82.5°	118.7	114.9	116.8	118.7	109.1
85°	70.8	70.8	70.8	72.8	63.2
87.5°	28.7	28.7	26.8	28.7	24.9
90°	0.0	0.0	0.0	0.0	0.0



— 0°-180° - - 45°-225° 90°-270°

(END OF REPORT)