

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: P1050966

Luminaire Tested: 24PTR-60-PR1-L850-UNV-STD-W

Issue Date: 7/11/2025

Test Information

Test Method: LM-79-2019
Report Number: P1050966
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P737735)
Test Lab: INNOVATION CENTER
Issue Date: 7/11/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: 24PTR-60-PR1-L850-UNV-STD-W
Description: 6000 LUMEN 2X4 PERCEIVE PT TROFFER WITH 5000K, 80 CRI LEDS AND RIPPLE LENS

Light Source:
Ballast/Driver: -

Summary

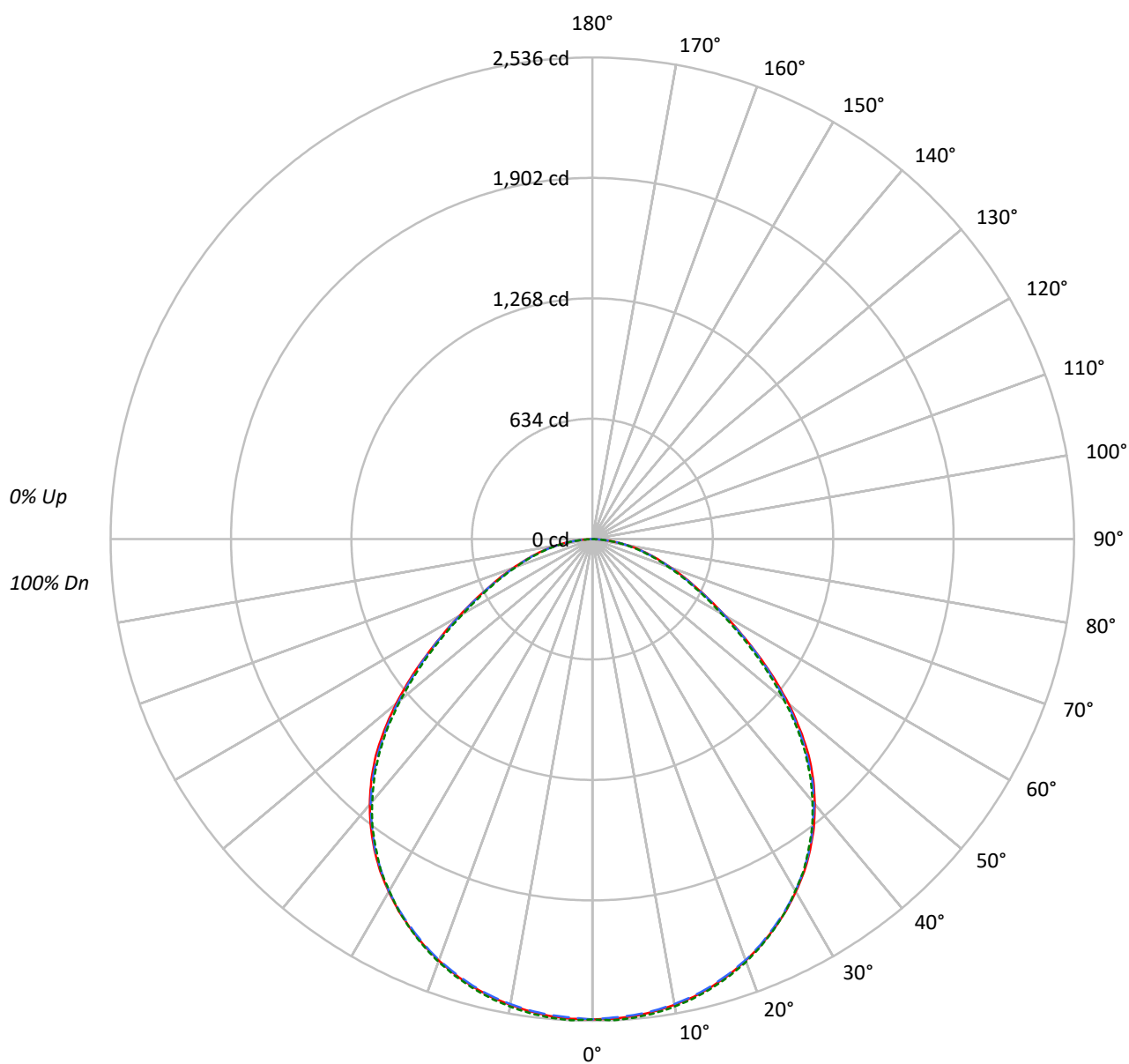
Lumens per Lamp: N/A
Luminaire Lumens: 6394.3 lumens
Efficiency: N/A
Efficacy: 125.4 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.26 / 1.34
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

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	105	101	98	107	103	99	96	99	96	93	95	92	90	91	89	88	88	88	85
2	100	93	86	81	98	91	85	80	87	82	78	84	80	76	81	78	75	75	75	73
3	92	82	74	68	90	80	73	68	78	71	66	75	70	65	72	68	64	64	64	62
4	85	73	65	58	82	72	64	58	69	63	57	67	61	56	65	60	56	56	56	54
5	78	66	57	51	76	65	56	50	62	55	50	61	54	49	59	53	49	49	49	47
6	72	59	51	45	70	58	50	44	57	49	44	55	49	44	53	48	43	43	43	41
7	67	54	45	40	65	53	45	39	52	44	39	50	44	39	49	43	39	39	39	37
8	62	49	41	35	61	49	41	35	47	40	35	46	40	35	45	39	35	35	35	33
9	58	45	37	32	57	45	37	32	44	37	32	43	36	32	42	36	31	31	31	30
10	55	42	34	29	54	41	34	29	40	34	29	39	33	29	39	33	29	29	29	27

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	3402	3402	3402
5°	3405	3398	3416
10°	3402	3396	3415
15°	3396	3391	3407
20°	3382	3377	3391
25°	3360	3351	3363
30°	3330	3326	3322
35°	3284	3276	3263
40°	3201	3188	3166
45°	3068	3033	3011
50°	2822	2791	2756
55°	2498	2487	2438
60°	2171	2163	2104
65°	1913	1902	1864
70°	1736	1711	1676
75°	1607	1569	1540
80°	1467	1447	1398
85°	1159	1149	1102

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 3068 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	239.8	3.8
10°-20°	688.4	10.8
20°-30°	1042.9	16.3
30°-40°	1245.0	19.5
40°-50°	1224.3	19.1
50°-60°	946.3	14.8
60°-70°	596.7	9.3
70°-80°	322.8	5.0
80°-90°	88.2	1.4
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°	1971.1	30.8
0°-40°	3216.0	50.3
0°-60°	5386.6	84.2
0°-90°	6394.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6394.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2528	2528	2528	2528	2528	
5°	2521	2522	2516	2526	2529	240
15°	2438	2438	2434	2442	2446	688
25°	2263	2265	2257	2265	2266	1043
35°	1999	2000	1995	1992	1986	1248
45°	1612	1606	1594	1581	1582	1234
55°	1065	1074	1060	1043	1040	956
65°	601	602	597	587	585	605
75°	309	306	302	304	296	328
85°	75	76	74	75	71	89
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2528.4	2528.4	2528.4	2528.4	2528.4
2.5°	2527.4	2528.4	2521.1	2533.0	2535.6
5°	2521.1	2522.1	2515.5	2526.4	2529.4
7.5°	2508.3	2510.3	2504.0	2514.9	2517.5
10°	2490.2	2492.2	2485.9	2496.8	2499.4
12.5°	2467.8	2468.5	2463.2	2473.1	2475.7
15°	2437.8	2438.5	2434.2	2442.1	2445.7
17.5°	2403.3	2404.2	2398.0	2407.9	2409.5
20°	2361.8	2362.4	2358.8	2367.0	2368.0
22.5°	2315.3	2317.3	2311.7	2319.0	2320.0
25°	2263.0	2264.6	2257.4	2264.6	2265.6
27.5°	2207.7	2208.3	2202.1	2207.7	2206.7
30°	2143.1	2148.7	2140.5	2138.5	2137.9
32.5°	2076.3	2077.0	2069.1	2067.1	2070.7
35°	1999.3	1999.9	1994.6	1992.0	1986.4
37.5°	1915.0	1915.0	1904.8	1903.1	1902.1
40°	1822.4	1821.5	1815.2	1808.9	1802.4
42.5°	1721.7	1723.7	1710.8	1700.0	1698.3
45°	1612.1	1605.8	1593.9	1581.4	1582.4
47.5°	1482.7	1484.3	1468.2	1458.0	1455.3
50°	1348.3	1348.3	1333.2	1322.3	1316.7
52.5°	1208.1	1209.0	1194.6	1180.1	1177.1
55°	1064.8	1073.7	1060.2	1043.1	1039.5
57.5°	930.8	938.1	925.2	907.1	906.1
60°	806.7	807.3	803.7	786.6	782.0
62.5°	700.7	696.1	694.1	685.2	679.6
65°	600.9	601.9	597.3	587.1	585.4
67.5°	520.2	519.2	511.0	504.8	501.1
70°	441.2	438.6	435.0	429.7	426.1
72.5°	370.7	370.7	367.8	366.1	359.9
75°	309.2	305.6	301.9	303.6	296.3
77.5°	250.2	246.6	243.7	240.0	238.4
80°	189.3	185.7	186.7	181.1	180.4
82.5°	131.4	131.4	129.7	125.1	126.1
85°	75.1	76.1	74.4	75.1	71.4
87.5°	27.3	28.0	30.0	28.0	28.0
90°	0.0	0.0	0.0	0.0	0.0



— 0°-180° - - 45°-225° 90°-270°

(END OF REPORT)