

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: P1192915

Luminaire Tested: 24PT-72-PB1-L840

Issue Date: 10/2/2025

Test Information

Test Method: LM-79-2019
Report Number: P1192915
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2202-549-7)
Test Lab: INNOVATION CENTER
Issue Date: 10/2/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: 24PT-72-PB1-L840
Description: 7200 LUMEN 2X4 PERCEIVE PT TROFFER WITH 4000K, 80 CRI LEDS AND BEVEL LENS
Light Source: -
Ballast/Driver: -

Summary

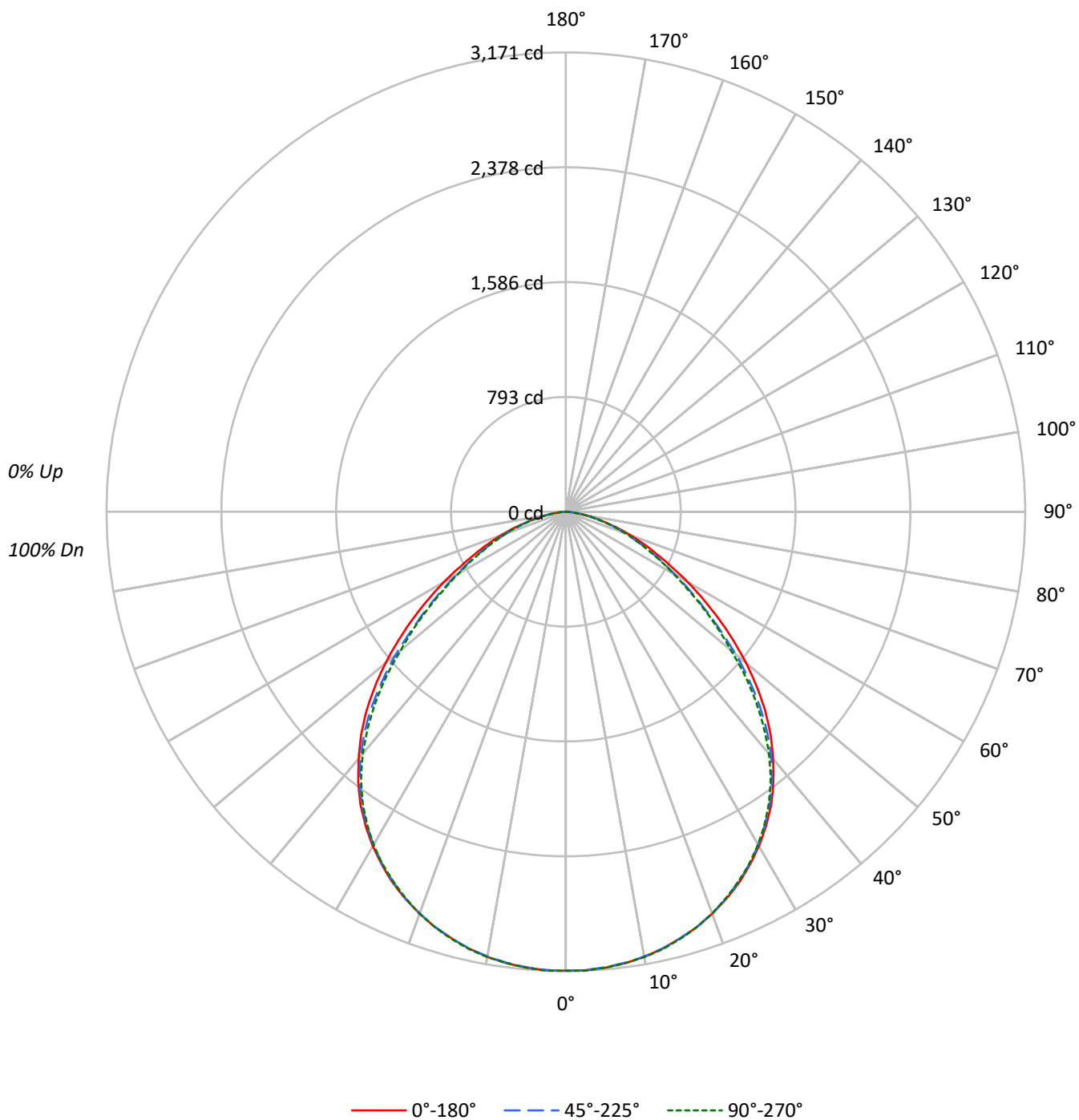
Lumens per Lamp: N/A
Luminaire Lumens: 7523.0 lumens
Efficiency: N/A
Efficacy: 125.4 lumens/watt
Spacing Criteria (0/90/45): 1.25 / 1.24 / 1.32
Luminous Opening: Rectangular (W 1.92' x L: 3.92' x H: 0')
CIE Type: Direct

Input Watts (W): 60
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
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			0
RW	70	50	30	10	70	50	30	10	50	30	10		50	30	10		50	30	10	0
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102	102	102	100
1	110	106	102	99	108	104	100	97	100	97	94		96	93	91		92	90	89	87
2	101	94	88	83	99	92	86	82	88	84	80		85	81	78		82	79	76	74
3	93	83	76	70	91	82	75	69	79	73	68		76	71	67		74	70	66	64
4	86	75	66	60	83	73	66	60	71	64	59		69	63	58		66	62	58	55
5	79	67	59	53	77	66	58	52	64	57	52		62	56	51		60	55	51	49
6	73	61	52	46	71	60	52	46	58	51	46		56	50	45		55	49	45	43
7	68	55	47	41	66	55	47	41	53	46	41		52	45	40		50	45	40	38
8	64	51	43	37	62	50	42	37	49	42	37		47	41	36		46	41	36	34
9	59	47	39	33	58	46	38	33	45	38	33		44	38	33		43	37	33	31
10	56	43	35	30	55	43	35	30	42	35	30		41	34	30		40	34	30	28

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	4531	4531	4531
5°	4534	4530	4534
10°	4530	4527	4532
15°	4513	4513	4519
20°	4493	4489	4493
25°	4460	4450	4444
30°	4401	4385	4381
35°	4313	4287	4270
40°	4154	4114	4072
45°	3937	3821	3755
50°	3612	3409	3312
55°	3214	2928	2884
60°	2784	2502	2459
65°	2348	2145	2120
70°	1993	1837	1847
75°	1565	1496	1510
80°	1141	1120	1131
85°	696	737	737

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 3937 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	300.1	4.0
10°-20°	860.5	11.4
20°-30°	1298.9	17.3
30°-40°	1531.7	20.4
40°-50°	1455.3	19.3
50°-60°	1073.9	14.3
60°-70°	648.2	8.6
70°-80°	296.7	3.9
80°-90°	57.9	0.8
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°	2459.5	32.7
0°-40°	3991.1	53.1
0°-60°	6520.2	86.7
0°-90°	7523.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7523.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3168	3168	3168	3168	3168	
5°	3158	3159	3156	3153	3158	300
15°	3048	3050	3048	3047	3052	861
25°	2826	2825	2820	2815	2816	1301
35°	2471	2467	2456	2446	2446	1540
45°	1946	1933	1889	1863	1857	1495
55°	1289	1237	1174	1147	1157	1154
65°	694	671	634	621	626	697
75°	283	278	271	267	273	309
85°	42	44	45	44	45	57
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3168.1	3168.1	3168.1	3168.1	3168.1
2.5°	3168.1	3168.1	3165.6	3163.1	3170.6
5°	3158.1	3159.4	3155.6	3153.1	3158.1
7.5°	3143.2	3143.2	3139.4	3136.9	3141.9
10°	3119.5	3119.5	3117.0	3115.7	3120.7
12.5°	3088.3	3089.5	3087.0	3085.8	3092.0
15°	3048.3	3049.6	3048.3	3047.1	3052.1
17.5°	3005.9	3007.2	3004.7	3000.9	3005.9
20°	2952.3	2954.7	2949.8	2947.3	2952.3
22.5°	2892.4	2894.9	2889.9	2887.4	2887.4
25°	2826.2	2825.0	2820.0	2815.0	2816.2
27.5°	2748.9	2750.1	2742.6	2737.6	2741.4
30°	2665.3	2666.5	2655.3	2651.5	2652.8
32.5°	2571.7	2570.4	2560.4	2554.2	2554.2
35°	2470.6	2466.9	2455.6	2445.7	2445.7
37.5°	2353.3	2350.8	2338.3	2325.9	2322.1
40°	2224.8	2222.3	2203.6	2187.4	2181.1
42.5°	2092.5	2085.0	2055.1	2030.1	2023.9
45°	1946.5	1932.8	1889.1	1862.9	1856.7
47.5°	1789.3	1771.8	1712.0	1682.0	1679.5
50°	1623.4	1592.2	1532.3	1493.6	1488.6
52.5°	1456.2	1411.2	1342.6	1313.9	1321.4
55°	1289.0	1236.6	1174.2	1146.7	1156.7
57.5°	1126.7	1071.8	1018.2	990.7	997.0
60°	973.3	925.9	874.7	852.2	859.7
62.5°	822.3	792.3	748.7	728.7	738.7
65°	693.8	671.3	633.9	621.4	626.4
67.5°	581.5	564.0	531.6	521.6	529.1
70°	476.7	464.2	439.2	435.5	441.7
72.5°	376.8	369.3	355.6	349.4	353.1
75°	283.2	278.3	270.8	267.0	273.3
77.5°	204.6	200.9	198.4	198.4	199.6
80°	138.5	137.3	136.0	134.8	137.3
82.5°	84.8	84.8	84.8	84.8	86.1
85°	42.4	43.7	44.9	43.7	44.9
87.5°	13.7	15.0	16.2	16.2	17.5
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)