

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: P1192908

Luminaire Tested: 24PT-60-PB1-L850

Issue Date: 10/2/2025

Test Information

Test Method: LM-79-2019
Report Number: P1192908
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-60-PB1-L850
Description: 6000 LUMEN 2X4 PERCEIVE PT TROFFER WITH 5000K, 80 CRI LEDS AND BEVEL LENS
Light Source: -
Ballast/Driver: -

Summary

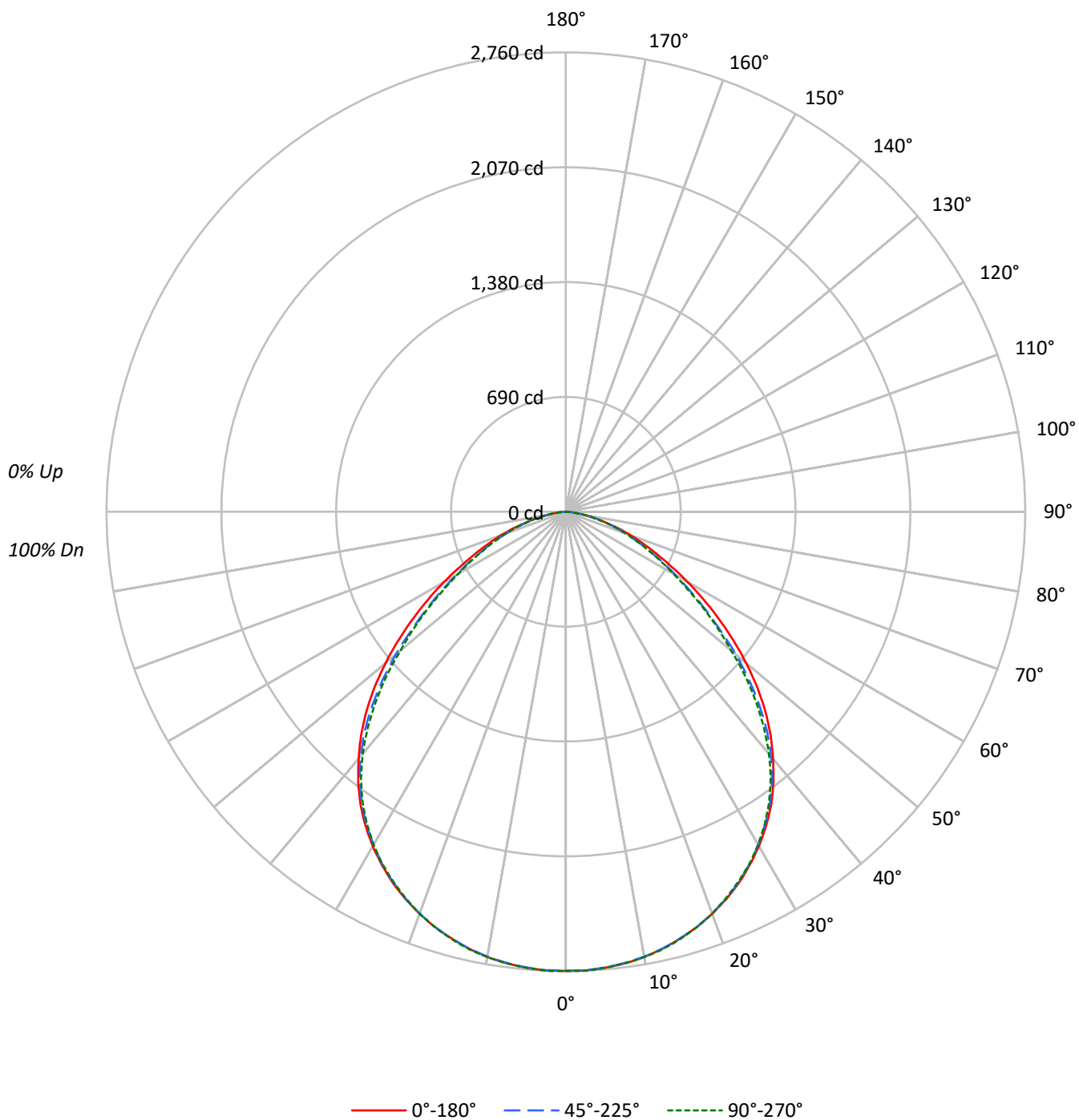
Lumens per Lamp: N/A
Luminaire Lumens: 6550.0 lumens
Efficiency: N/A
Efficacy: 128.4 lumens/watt
Spacing Criteria (0/90/45): 1.25 / 1.24 / 1.32
Luminous Opening: Rectangular (W 1.92' x L: 3.92' x H: 0')
CIE Type: Direct

Input Watts (W): 51
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

TEST NUMBER: P1192908

CATALOG NUMBER: 24PT-60-PB1-L850

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°	3945	3945	3945
5°	3948	3944	3948
10°	3944	3941	3946
15°	3930	3930	3934
20°	3912	3909	3912
25°	3883	3874	3869
30°	3832	3818	3814
35°	3756	3733	3718
40°	3616	3582	3545
45°	3428	3327	3270
50°	3145	2968	2884
55°	2798	2549	2511
60°	2424	2178	2141
65°	2044	1868	1846
70°	1735	1599	1608
75°	1363	1302	1315
80°	993	975	984
85°	605	642	642

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 3428 cd/sqm

TEST NUMBER: P1192908

CATALOG NUMBER: 24PT-60-PB1-L850

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	261.3	4.0
10°-20°	749.2	11.4
20°-30°	1130.9	17.3
30°-40°	1333.6	20.4
40°-50°	1267.1	19.3
50°-60°	935.0	14.3
60°-70°	564.3	8.6
70°-80°	258.3	3.9
80°-90°	50.4	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°	2141.4	32.7
0°-40°	3474.9	53.1
0°-60°	5676.9	86.7
0°-90°	6550.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6550.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2758	2758	2758	2758	2758	
5°	2750	2751	2748	2745	2750	261
15°	2654	2655	2654	2653	2657	749
25°	2461	2460	2455	2451	2452	1133
35°	2151	2148	2138	2129	2129	1341
45°	1695	1683	1645	1622	1617	1301
55°	1122	1077	1022	998	1007	1005
65°	604	584	552	541	545	607
75°	247	242	236	232	238	269
85°	37	38	39	38	39	50
90°	0	0	0	0	0	

TEST NUMBER: P1192908

CATALOG NUMBER: 24PT-60-PB1-L850

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2758.4	2758.4	2758.4	2758.4	2758.4
2.5°	2758.4	2758.4	2756.2	2754.0	2760.5
5°	2749.7	2750.8	2747.5	2745.3	2749.7
7.5°	2736.6	2736.6	2733.4	2731.2	2735.5
10°	2716.0	2716.0	2713.8	2712.7	2717.1
12.5°	2688.8	2689.9	2687.7	2686.7	2692.1
15°	2654.1	2655.2	2654.1	2653.0	2657.3
17.5°	2617.1	2618.2	2616.0	2612.8	2617.1
20°	2570.4	2572.6	2568.2	2566.1	2570.4
22.5°	2518.3	2520.4	2516.1	2513.9	2513.9
25°	2460.7	2459.6	2455.3	2450.9	2452.0
27.5°	2393.3	2394.4	2387.9	2383.6	2386.8
30°	2320.5	2321.6	2311.9	2308.6	2309.7
32.5°	2239.1	2238.0	2229.3	2223.9	2223.9
35°	2151.1	2147.8	2138.0	2129.3	2129.3
37.5°	2048.9	2046.8	2035.9	2025.0	2021.8
40°	1937.0	1934.9	1918.6	1904.5	1899.0
42.5°	1821.9	1815.4	1789.3	1767.6	1762.1
45°	1694.8	1682.8	1644.8	1622.0	1616.6
47.5°	1557.9	1542.7	1490.5	1464.5	1462.3
50°	1413.4	1386.2	1334.1	1300.4	1296.1
52.5°	1267.8	1228.7	1169.0	1144.0	1150.5
55°	1122.2	1076.6	1022.3	998.4	1007.1
57.5°	981.0	933.2	886.5	862.6	868.0
60°	847.4	806.1	761.6	742.0	748.5
62.5°	715.9	689.9	651.8	634.5	643.1
65°	604.0	584.5	551.9	541.0	545.4
67.5°	506.3	491.1	462.8	454.1	460.6
70°	415.0	404.1	382.4	379.2	384.6
72.5°	328.1	321.6	309.6	304.2	307.5
75°	246.6	242.3	235.7	232.5	237.9
77.5°	178.2	174.9	172.7	172.7	173.8
80°	120.6	119.5	118.4	117.3	119.5
82.5°	73.9	73.9	73.9	73.9	75.0
85°	36.9	38.0	39.1	38.0	39.1
87.5°	12.0	13.0	14.1	14.1	15.2
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)