

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: P1192905

Luminaire Tested: 24PT-60-PB1-L830

Issue Date: 10/2/2025

Test Information

Test Method: LM-79-2019
Report Number: P1192905
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-L830
Description: 6000 LUMEN 2X4 PERCEIVE PT TROFFER WITH 3000K, 80 CRI LEDS AND BEVEL LENS
Light Source: -
Ballast/Driver: -

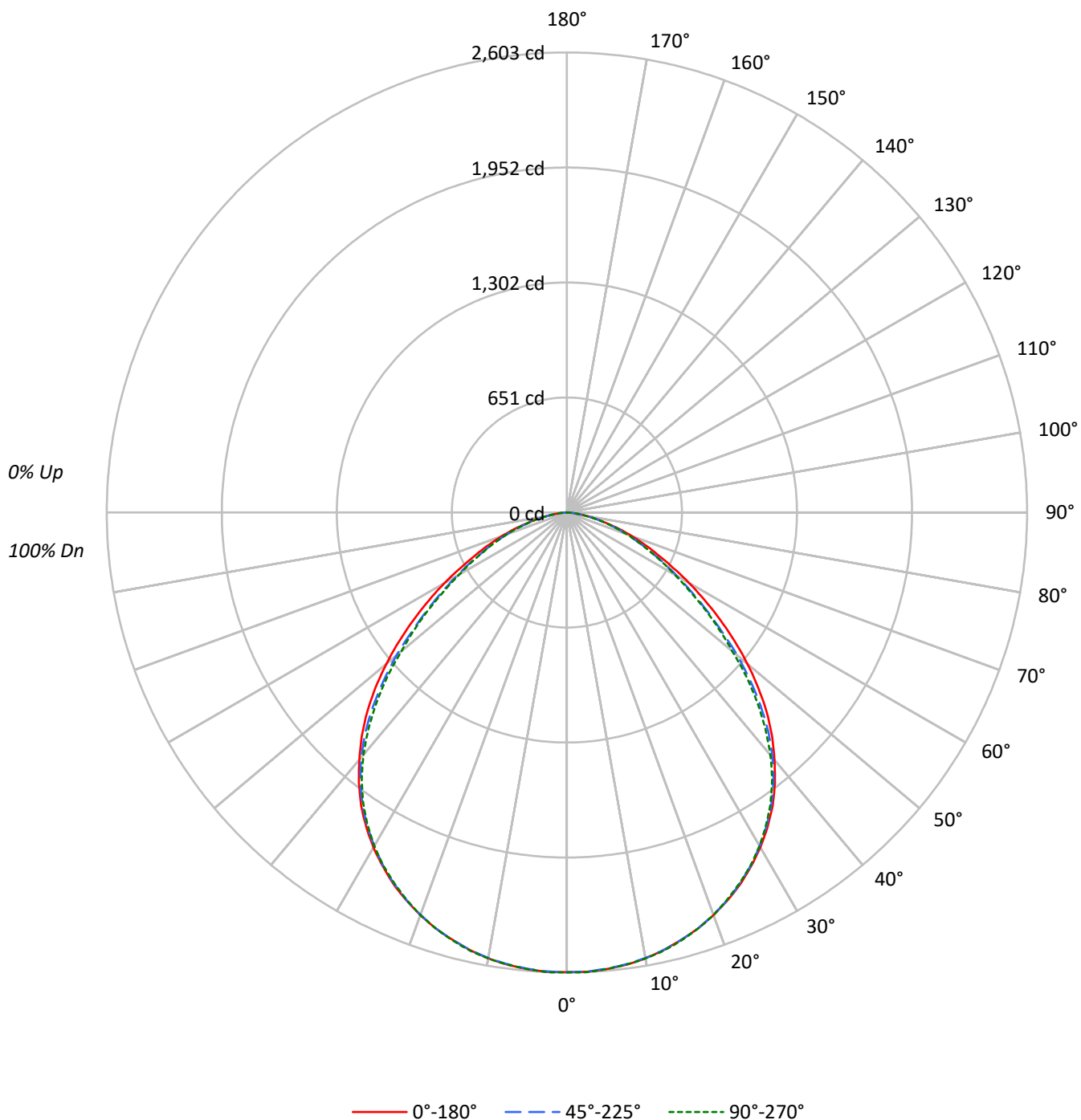
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6177.0 lumens
Efficiency: N/A
Efficacy: 121.1 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

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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
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102
1	110	106	102	99	108	104	100	97	100	97	94		96	93	91		92
2	101	94	88	83	99	92	86	82	88	84	80		85	81	78		82
3	93	83	76	70	91	82	75	69	79	73	68		76	71	67		74
4	86	75	66	60	83	73	66	60	71	64	59		69	63	58		66
5	79	67	59	53	77	66	58	52	64	57	52		62	56	51		60
6	73	61	52	46	71	60	52	46	58	51	46		56	50	45		55
7	68	55	47	41	66	55	47	41	53	46	41		52	45	40		50
8	64	51	43	37	62	50	42	37	49	42	37		47	41	36		46
9	59	47	39	33	58	46	38	33	45	38	33		44	38	33		43
10	56	43	35	30	55	43	35	30	42	35	30		41	34	30		40

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	3720	3720	3720
5°	3723	3720	3723
10°	3720	3717	3721
15°	3706	3706	3710
20°	3689	3686	3689
25°	3662	3654	3649
30°	3614	3600	3597
35°	3542	3520	3506
40°	3410	3378	3343
45°	3233	3137	3083
50°	2966	2799	2720
55°	2639	2404	2368
60°	2286	2054	2019
65°	1928	1761	1740
70°	1637	1508	1517
75°	1285	1228	1240
80°	936	920	928
85°	571	605	605

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 3233 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	246.4	4.0
10°-20°	706.5	11.4
20°-30°	1066.5	17.3
30°-40°	1257.6	20.4
40°-50°	1194.9	19.3
50°-60°	881.7	14.3
60°-70°	532.2	8.6
70°-80°	243.6	3.9
80°-90°	47.6	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°	2019.4	32.7
0°-40°	3277.0	53.1
0°-60°	5353.7	86.7
0°-90°	6177.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6177.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2601	2601	2601	2601	2601	
5°	2593	2594	2591	2589	2593	247
15°	2503	2504	2503	2502	2506	707
25°	2321	2320	2315	2311	2312	1068
35°	2029	2026	2016	2008	2008	1265
45°	1598	1587	1551	1530	1524	1227
55°	1058	1015	964	942	950	948
65°	570	551	520	510	514	573
75°	233	228	222	219	224	253
85°	35	36	37	36	37	47
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2601.3	2601.3	2601.3	2601.3	2601.3
2.5°	2601.3	2601.3	2599.2	2597.2	2603.3
5°	2593.1	2594.1	2591.0	2589.0	2593.1
7.5°	2580.8	2580.8	2577.7	2575.7	2579.8
10°	2561.3	2561.3	2559.3	2558.3	2562.4
12.5°	2535.7	2536.7	2534.7	2533.7	2538.8
15°	2502.9	2504.0	2502.9	2501.9	2506.0
17.5°	2468.1	2469.1	2467.1	2464.0	2468.1
20°	2424.0	2426.1	2422.0	2419.9	2424.0
22.5°	2374.9	2376.9	2372.8	2370.8	2370.8
25°	2320.6	2319.5	2315.4	2311.3	2312.4
27.5°	2257.0	2258.1	2251.9	2247.8	2250.9
30°	2188.4	2189.4	2180.2	2177.1	2178.2
32.5°	2111.6	2110.5	2102.3	2097.2	2097.2
35°	2028.6	2025.5	2016.3	2008.1	2008.1
37.5°	1932.3	1930.2	1920.0	1909.7	1906.7
40°	1826.7	1824.7	1809.3	1796.0	1790.9
42.5°	1718.1	1712.0	1687.4	1666.9	1661.8
45°	1598.3	1587.0	1551.1	1529.6	1524.5
47.5°	1469.2	1454.8	1405.7	1381.1	1379.0
50°	1332.9	1307.3	1258.1	1226.4	1222.3
52.5°	1195.6	1158.7	1102.4	1078.8	1085.0
55°	1058.3	1015.3	964.1	941.5	949.7
57.5°	925.2	880.1	836.0	813.5	818.6
60°	799.1	760.2	718.2	699.8	705.9
62.5°	675.2	650.6	614.7	598.3	606.5
65°	569.6	551.2	520.5	510.2	514.3
67.5°	477.4	463.1	436.5	428.3	434.4
70°	391.4	381.1	360.6	357.6	362.7
72.5°	309.4	303.3	292.0	286.9	289.9
75°	232.6	228.5	222.3	219.2	224.4
77.5°	168.0	164.9	162.9	162.9	163.9
80°	113.7	112.7	111.7	110.6	112.7
82.5°	69.7	69.7	69.7	69.7	70.7
85°	34.8	35.9	36.9	35.9	36.9
87.5°	11.3	12.3	13.3	13.3	14.3
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)