

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: P1192853

Luminaire Tested: 24PT-100-PB1-L930

Issue Date: 10/2/2025

Test Information

Test Method: LM-79-2019
Report Number: P1192853
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-100-PB1-L930
Description: 10000 LUMEN 2X4 PERCEIVE PT TROFFER WITH 3000K, 90 CRI LEDS AND BEVEL LENS
Light Source: -
Ballast/Driver: -

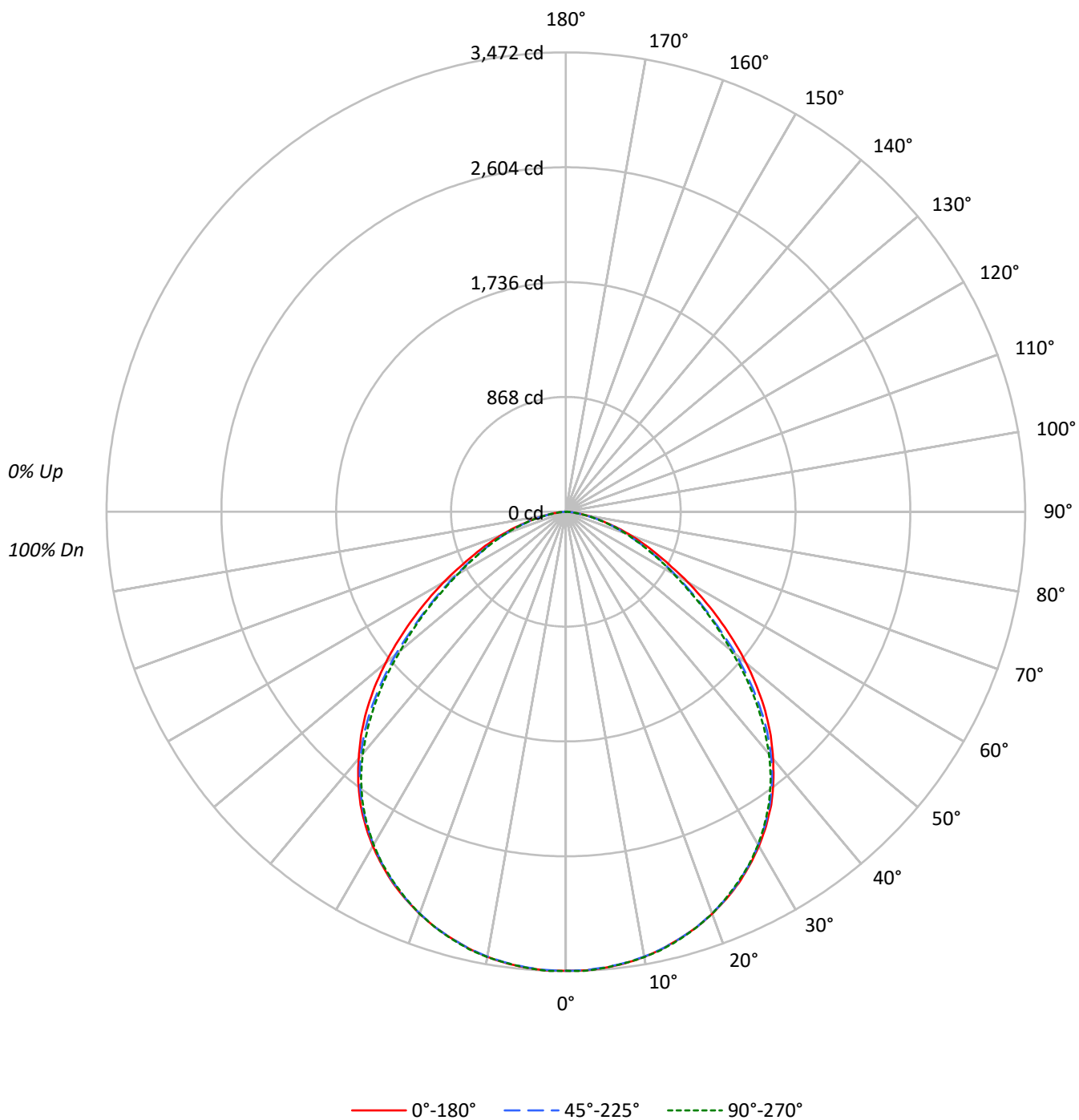
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8239.0 lumens
Efficiency: N/A
Efficacy: 96.9 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): 85
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°	4962	4962	4962
5°	4965	4961	4965
10°	4961	4957	4963
15°	4943	4943	4949
20°	4921	4917	4921
25°	4884	4873	4867
30°	4820	4802	4798
35°	4724	4695	4676
40°	4549	4505	4460
45°	4312	4184	4113
50°	3956	3734	3627
55°	3520	3206	3159
60°	3049	2740	2693
65°	2571	2349	2321
70°	2183	2011	2023
75°	1714	1638	1654
80°	1249	1227	1238
85°	763	807	807

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 4312 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	328.6	4.0
10°-20°	942.4	11.4
20°-30°	1422.5	17.3
30°-40°	1677.4	20.4
40°-50°	1593.8	19.3
50°-60°	1176.1	14.3
60°-70°	709.9	8.6
70°-80°	324.9	3.9
80°-90°	63.4	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°	2693.5	32.7
0°-40°	4371.0	53.1
0°-60°	7140.8	86.7
0°-90°	8239.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	8239.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3470	3470	3470	3470	3470	
5°	3459	3460	3456	3453	3459	329
15°	3338	3340	3338	3337	3343	943
25°	3095	3094	3088	3083	3084	1425
35°	2706	2702	2689	2678	2678	1687
45°	2132	2117	2069	2040	2033	1637
55°	1412	1354	1286	1256	1267	1264
65°	760	735	694	680	686	764
75°	310	305	296	292	299	338
85°	46	48	49	48	49	63
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3469.6	3469.6	3469.6	3469.6	3469.6
2.5°	3469.6	3469.6	3466.9	3464.2	3472.4
5°	3458.7	3460.1	3456.0	3453.2	3458.7
7.5°	3442.3	3442.3	3438.2	3435.5	3440.9
10°	3416.3	3416.3	3413.6	3412.2	3417.7
12.5°	3382.2	3383.6	3380.8	3379.5	3386.3
15°	3338.5	3339.8	3338.5	3337.1	3342.6
17.5°	3292.0	3293.4	3290.6	3286.5	3292.0
20°	3233.2	3236.0	3230.5	3227.8	3233.2
22.5°	3167.6	3170.4	3164.9	3162.2	3162.2
25°	3095.2	3093.8	3088.4	3082.9	3084.3
27.5°	3010.5	3011.9	3003.7	2998.2	3002.3
30°	2918.9	2920.3	2908.0	2903.9	2905.3
32.5°	2816.4	2815.1	2804.1	2797.3	2797.3
35°	2705.7	2701.6	2689.3	2678.4	2678.4
37.5°	2577.3	2574.6	2560.9	2547.2	2543.1
40°	2436.5	2433.8	2413.3	2395.5	2388.7
42.5°	2291.7	2283.5	2250.7	2223.4	2216.5
45°	2131.8	2116.8	2068.9	2040.2	2033.4
47.5°	1959.6	1940.5	1874.9	1842.1	1839.4
50°	1777.9	1743.7	1678.1	1635.7	1630.3
52.5°	1594.8	1545.6	1470.4	1439.0	1447.2
55°	1411.6	1354.2	1285.9	1255.8	1266.8
57.5°	1234.0	1173.9	1115.1	1085.0	1091.9
60°	1065.9	1014.0	957.9	933.3	941.5
62.5°	900.5	867.8	819.9	798.1	809.0
65°	759.8	735.2	694.2	680.5	686.0
67.5°	636.8	617.7	582.1	571.2	579.4
70°	522.0	508.4	481.0	476.9	483.8
72.5°	412.7	404.5	389.5	382.6	386.7
75°	310.2	304.7	296.5	292.4	299.3
77.5°	224.1	220.0	217.3	217.3	218.6
80°	151.7	150.3	149.0	147.6	150.3
82.5°	92.9	92.9	92.9	92.9	94.3
85°	46.5	47.8	49.2	47.8	49.2
87.5°	15.0	16.4	17.8	17.8	19.1
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)