

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: P1192855

Luminaire Tested: 24PT-100-PB1-L940

Issue Date: 10/2/2025

Test Information

Test Method: LM-79-2019
Report Number: P1192855
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-L940
Description: 10000 LUMEN 2X4 PERCEIVE PT TROFFER WITH 4000K, 90 CRI LEDS AND BEVEL LENS
Light Source: -
Ballast/Driver: -

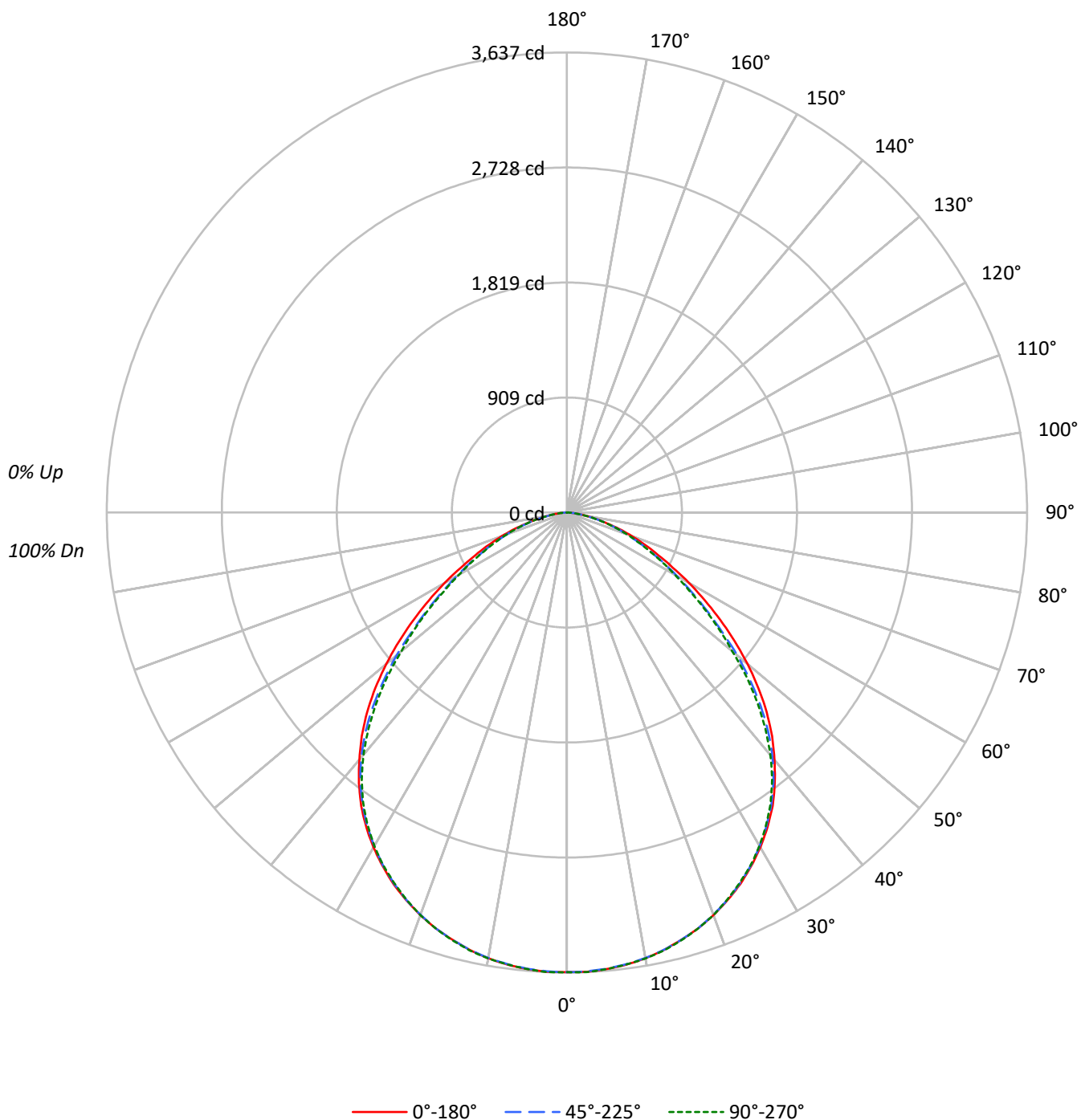
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8630.0 lumens
Efficiency: N/A
Efficacy: 101.5 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°	5198	5198	5198
5°	5201	5197	5201
10°	5197	5193	5199
15°	5178	5178	5184
20°	5154	5150	5154
25°	5116	5105	5098
30°	5049	5030	5025
35°	4948	4918	4898
40°	4765	4719	4671
45°	4516	4383	4308
50°	4143	3911	3799
55°	3687	3358	3308
60°	3194	2870	2821
65°	2693	2461	2432
70°	2286	2107	2119
75°	1795	1716	1732
80°	1309	1285	1297
85°	799	845	845

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 4516 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	344.2	4.0
10°-20°	987.1	11.4
20°-30°	1490.0	17.3
30°-40°	1757.0	20.4
40°-50°	1669.4	19.3
50°-60°	1231.9	14.3
60°-70°	743.5	8.6
70°-80°	340.3	3.9
80°-90°	66.4	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°	2821.4	32.7
0°-40°	4578.4	53.1
0°-60°	7479.7	86.7
0°-90°	8630.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	8630.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3634	3634	3634	3634	3634	
5°	3623	3624	3620	3617	3623	344
15°	3497	3498	3497	3496	3501	987
25°	3242	3241	3235	3229	3231	1492
35°	2834	2830	2817	2806	2806	1767
45°	2233	2217	2167	2137	2130	1715
55°	1479	1418	1347	1315	1327	1324
65°	796	770	727	713	719	800
75°	325	319	311	306	314	354
85°	49	50	52	50	52	66
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3634.3	3634.3	3634.3	3634.3	3634.3
2.5°	3634.3	3634.3	3631.4	3628.6	3637.2
5°	3622.9	3624.3	3620.0	3617.1	3622.9
7.5°	3605.7	3605.7	3601.4	3598.5	3604.2
10°	3578.5	3578.5	3575.6	3574.2	3579.9
12.5°	3542.7	3544.1	3541.3	3539.8	3547.0
15°	3496.9	3498.3	3496.9	3495.5	3501.2
17.5°	3448.2	3449.7	3446.8	3442.5	3448.2
20°	3386.7	3389.5	3383.8	3380.9	3386.7
22.5°	3318.0	3320.8	3315.1	3312.2	3312.2
25°	3242.1	3240.7	3234.9	3229.2	3230.6
27.5°	3153.4	3154.8	3146.2	3140.5	3144.8
30°	3057.5	3058.9	3046.0	3041.7	3043.1
32.5°	2950.1	2948.7	2937.2	2930.1	2930.1
35°	2834.2	2829.9	2817.0	2805.5	2805.5
37.5°	2699.6	2696.7	2682.4	2668.1	2663.8
40°	2552.2	2549.3	2527.8	2509.2	2502.1
42.5°	2400.4	2391.9	2357.5	2328.9	2321.7
45°	2233.0	2217.2	2167.1	2137.1	2129.9
47.5°	2052.6	2032.6	1963.9	1929.5	1926.7
50°	1862.2	1826.5	1757.7	1713.4	1707.6
52.5°	1670.4	1618.9	1540.2	1507.3	1515.8
55°	1478.6	1418.5	1346.9	1315.4	1326.9
57.5°	1292.5	1229.6	1168.0	1136.5	1143.7
60°	1116.5	1062.1	1003.4	977.6	986.2
62.5°	943.3	908.9	858.8	835.9	847.4
65°	795.9	770.1	727.1	712.8	718.6
67.5°	667.0	647.0	609.8	598.3	606.9
70°	546.8	532.5	503.8	499.6	506.7
72.5°	432.3	423.7	407.9	400.8	405.1
75°	324.9	319.2	310.6	306.3	313.5
77.5°	234.7	230.5	227.6	227.6	229.0
80°	158.9	157.5	156.0	154.6	157.5
82.5°	97.3	97.3	97.3	97.3	98.8
85°	48.7	50.1	51.5	50.1	51.5
87.5°	15.7	17.2	18.6	18.6	20.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)