

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: P1192931

Luminaire Tested: 24PT-90-PB1-L840

Issue Date: 10/2/2025

Test Information

Test Method: LM-79-2019
Report Number: P1192931
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-90-PB1-L840
Description: 9000 LUMEN 2X4 PERCEIVE PT TROFFER WITH 4000K, 80 CRI LEDS AND BEVEL LENS
Light Source: -
Ballast/Driver: -

Summary

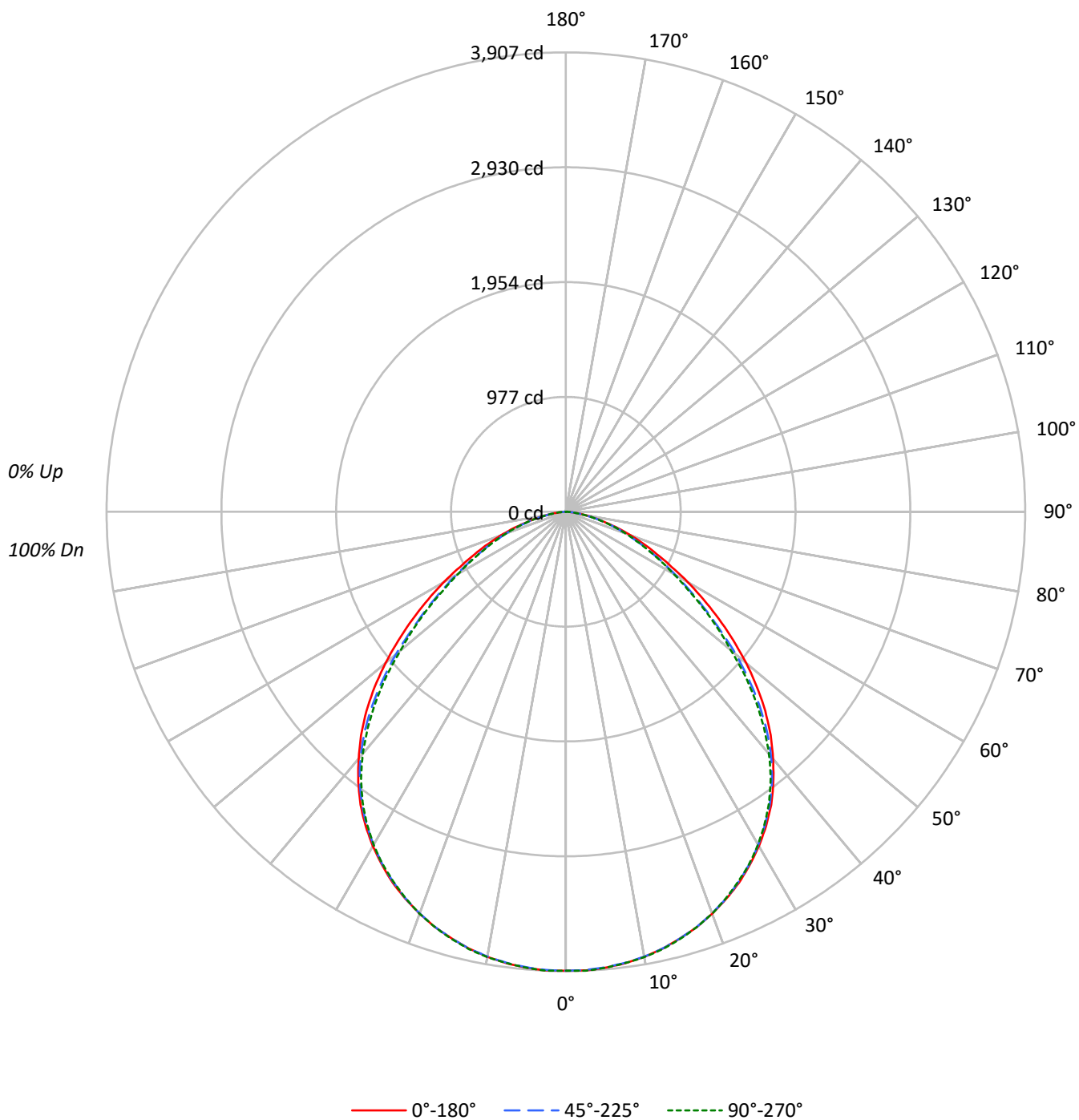
Lumens per Lamp: N/A
Luminaire Lumens: 9270.0 lumens
Efficiency: N/A
Efficacy: 122.0 lumens/watt
Spacing Criteria (0/90/45): 1.25 / 1.24 / 1.32
Luminous Opening: Rectangular (W 1.92' x L: 3.92' x H: 0')
CIE Type: Direct

Input Watts (W): 76
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: P1192931

CATALOG NUMBER: 24PT-90-PB1-L840

Luminous Intensity Polar Plot



TEST NUMBER: P1192931

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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°	5583	5583	5583
5°	5587	5582	5587
10°	5582	5578	5584
15°	5561	5561	5568
20°	5537	5532	5537
25°	5495	5483	5476
30°	5424	5403	5398
35°	5315	5283	5261
40°	5118	5069	5018
45°	4851	4708	4627
50°	4451	4201	4081
55°	3960	3607	3554
60°	3430	3083	3030
65°	2893	2643	2612
70°	2456	2263	2276
75°	1928	1843	1861
80°	1406	1380	1393
85°	858	909	909

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 4851 cd/sqm

TEST NUMBER: P1192931

CATALOG NUMBER: 24PT-90-PB1-L840

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	369.8	4.0
10°-20°	1060.3	11.4
20°-30°	1600.5	17.3
30°-40°	1887.3	20.4
40°-50°	1793.2	19.3
50°-60°	1323.2	14.3
60°-70°	798.7	8.6
70°-80°	365.6	3.9
80°-90°	71.4	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°	3030.6	32.7
0°-40°	4917.9	53.1
0°-60°	8034.4	86.7
0°-90°	9270.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	9270.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3904	3904	3904	3904	3904	
5°	3892	3893	3888	3885	3892	370
15°	3756	3758	3756	3755	3761	1060
25°	3482	3481	3475	3469	3470	1603
35°	3044	3040	3026	3014	3014	1898
45°	2399	2382	2328	2296	2288	1842
55°	1588	1524	1447	1413	1425	1422
65°	855	827	781	766	772	859
75°	349	343	334	329	337	380
85°	52	54	55	54	55	70
90°	0	0	0	0	0	

TEST NUMBER: P1192931

CATALOG NUMBER: 24PT-90-PB1-L840

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3903.8	3903.8	3903.8	3903.8	3903.8
2.5°	3903.8	3903.8	3900.7	3897.7	3906.9
5°	3891.5	3893.1	3888.4	3885.4	3891.5
7.5°	3873.1	3873.1	3868.5	3865.4	3871.5
10°	3843.9	3843.9	3840.8	3839.2	3845.4
12.5°	3805.4	3807.0	3803.9	3802.3	3810.0
15°	3756.2	3757.8	3756.2	3754.7	3760.8
17.5°	3703.9	3705.5	3702.4	3697.8	3703.9
20°	3637.8	3640.9	3634.8	3631.7	3637.8
22.5°	3564.0	3567.1	3560.9	3557.9	3557.9
25°	3482.5	3481.0	3474.8	3468.7	3470.2
27.5°	3387.2	3388.7	3379.5	3373.4	3378.0
30°	3284.2	3285.7	3271.9	3267.3	3268.8
32.5°	3168.9	3167.3	3155.0	3147.4	3147.4
35°	3044.3	3039.7	3025.9	3013.6	3013.6
37.5°	2899.8	2896.7	2881.4	2866.0	2861.4
40°	2741.4	2738.4	2715.3	2695.3	2687.6
42.5°	2578.5	2569.2	2532.3	2501.6	2493.9
45°	2398.6	2381.7	2327.8	2295.6	2287.9
47.5°	2204.8	2183.3	2109.5	2072.6	2069.5
50°	2000.3	1961.9	1888.1	1840.4	1834.3
52.5°	1794.3	1739.0	1654.4	1619.0	1628.3
55°	1588.3	1523.7	1446.8	1413.0	1425.3
57.5°	1388.4	1320.7	1254.6	1220.8	1228.5
60°	1199.3	1140.9	1077.8	1050.1	1059.4
62.5°	1013.2	976.3	922.5	897.9	910.2
65°	854.9	827.2	781.1	765.7	771.8
67.5°	716.5	695.0	655.0	642.7	651.9
70°	587.3	572.0	541.2	536.6	544.3
72.5°	464.3	455.1	438.2	430.5	435.1
75°	349.0	342.9	333.6	329.0	336.7
77.5°	252.2	247.5	244.5	244.5	246.0
80°	170.7	169.1	167.6	166.1	169.1
82.5°	104.6	104.6	104.6	104.6	106.1
85°	52.3	53.8	55.4	53.8	55.4
87.5°	16.9	18.5	20.0	20.0	21.5
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)