

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: P1192921

Luminaire Tested: 24PT-80-PB1-L830

Issue Date: 10/2/2025

Test Information

Test Method: LM-79-2019
Report Number: P1192921
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-80-PB1-L830
Description: 8000 LUMEN 2X4 PERCEIVE PT TROFFER WITH 3000K, 80 CRI LEDS AND BEVEL LENS
Light Source: -
Ballast/Driver: -

Summary

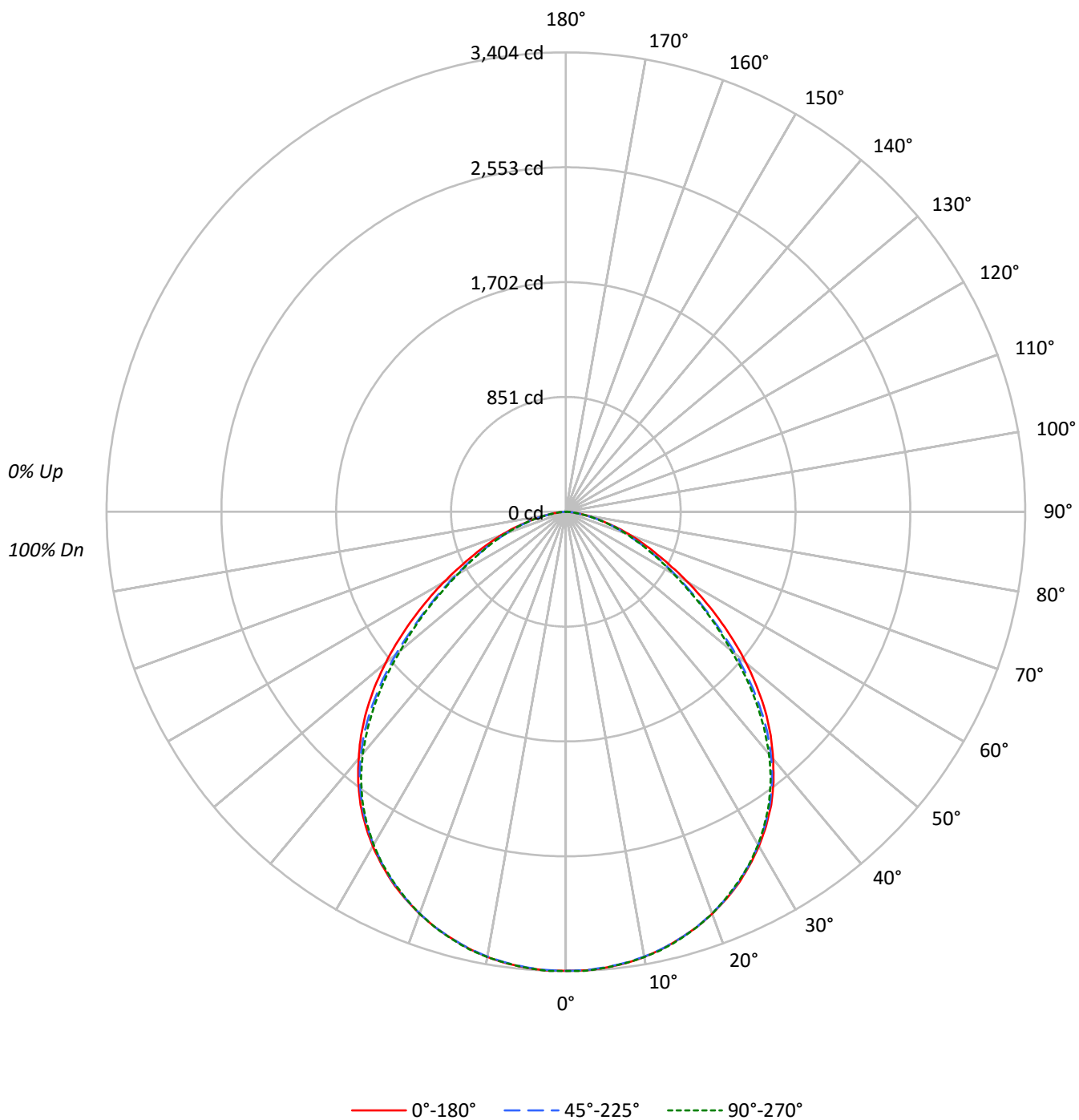
Lumens per Lamp: N/A
Luminaire Lumens: 8078.0 lumens
Efficiency: N/A
Efficacy: 118.8 lumens/watt
Spacing Criteria (0/90/45): 1.25 / 1.24 / 1.32
Luminous Opening: Rectangular (W 1.92' x L: 3.92' x H: 0')
CIE Type: Direct

Input Watts (W): 68
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			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°	4865	4865	4865
5°	4868	4864	4868
10°	4864	4860	4866
15°	4846	4846	4852
20°	4825	4821	4825
25°	4789	4778	4772
30°	4726	4708	4704
35°	4632	4604	4585
40°	4460	4417	4372
45°	4227	4103	4032
50°	3878	3661	3556
55°	3451	3144	3097
60°	2989	2686	2640
65°	2521	2303	2276
70°	2140	1972	1983
75°	1680	1606	1621
80°	1225	1202	1214
85°	748	791	791

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 4227 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	322.2	4.0
10°-20°	924.0	11.4
20°-30°	1394.7	17.3
30°-40°	1644.6	20.4
40°-50°	1562.6	19.3
50°-60°	1153.1	14.3
60°-70°	696.0	8.6
70°-80°	318.5	3.9
80°-90°	62.2	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°	2640.9	32.7
0°-40°	4285.6	53.1
0°-60°	7001.3	86.7
0°-90°	8078.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	8078.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3402	3402	3402	3402	3402	
5°	3391	3392	3388	3386	3391	322
15°	3273	3275	3273	3272	3277	924
25°	3035	3033	3028	3023	3024	1397
35°	2653	2649	2637	2626	2626	1654
45°	2090	2075	2028	2000	1994	1605
55°	1384	1328	1261	1231	1242	1239
65°	745	721	681	667	673	749
75°	304	299	291	287	293	331
85°	46	47	48	47	48	61
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3401.8	3401.8	3401.8	3401.8	3401.8
2.5°	3401.8	3401.8	3399.2	3396.5	3404.5
5°	3391.1	3392.5	3388.4	3385.8	3391.1
7.5°	3375.0	3375.0	3371.0	3368.3	3373.7
10°	3349.6	3349.6	3346.9	3345.6	3350.9
12.5°	3316.1	3317.4	3314.8	3313.4	3320.1
15°	3273.2	3274.6	3273.2	3271.9	3277.2
17.5°	3227.7	3229.0	3226.3	3222.3	3227.7
20°	3170.1	3172.7	3167.4	3164.7	3170.1
22.5°	3105.7	3108.4	3103.1	3100.4	3100.4
25°	3034.7	3033.4	3028.0	3022.7	3024.0
27.5°	2951.7	2953.0	2945.0	2939.6	2943.6
30°	2861.9	2863.2	2851.2	2847.1	2848.5
32.5°	2761.4	2760.1	2749.3	2742.6	2742.6
35°	2652.9	2648.9	2636.8	2626.1	2626.1
37.5°	2526.9	2524.2	2510.9	2497.5	2493.4
40°	2388.9	2386.2	2366.1	2348.7	2342.0
42.5°	2246.9	2238.9	2206.7	2179.9	2173.2
45°	2090.1	2075.4	2028.5	2000.4	1993.7
47.5°	1921.3	1902.6	1838.3	1806.1	1803.4
50°	1743.1	1709.6	1645.3	1603.8	1598.4
52.5°	1563.6	1515.4	1441.7	1410.8	1418.9
55°	1384.0	1327.8	1260.8	1231.3	1242.0
57.5°	1209.9	1150.9	1093.3	1063.8	1070.5
60°	1045.1	994.2	939.2	915.1	923.1
62.5°	883.0	850.8	803.9	782.5	793.2
65°	744.9	720.8	680.6	667.2	672.6
67.5°	624.4	605.6	570.8	560.1	568.1
70°	511.8	498.4	471.6	467.6	474.3
72.5°	404.6	396.6	381.9	375.2	379.2
75°	304.1	298.8	290.7	286.7	293.4
77.5°	219.7	215.7	213.0	213.0	214.4
80°	148.7	147.4	146.0	144.7	147.4
82.5°	91.1	91.1	91.1	91.1	92.4
85°	45.6	46.9	48.2	46.9	48.2
87.5°	14.7	16.1	17.4	17.4	18.8
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)