

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: P1192928

Luminaire Tested: 24PT-80-PB1-L950

Issue Date: 10/2/2025

Test Information

Test Method: LM-79-2019
Report Number: P1192928
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-L950
Description: 8000 LUMEN 2X4 PERCEIVE PT TROFFER WITH 5000K, 90 CRI LEDS AND BEVEL LENS
Light Source: -
Ballast/Driver: -

Summary

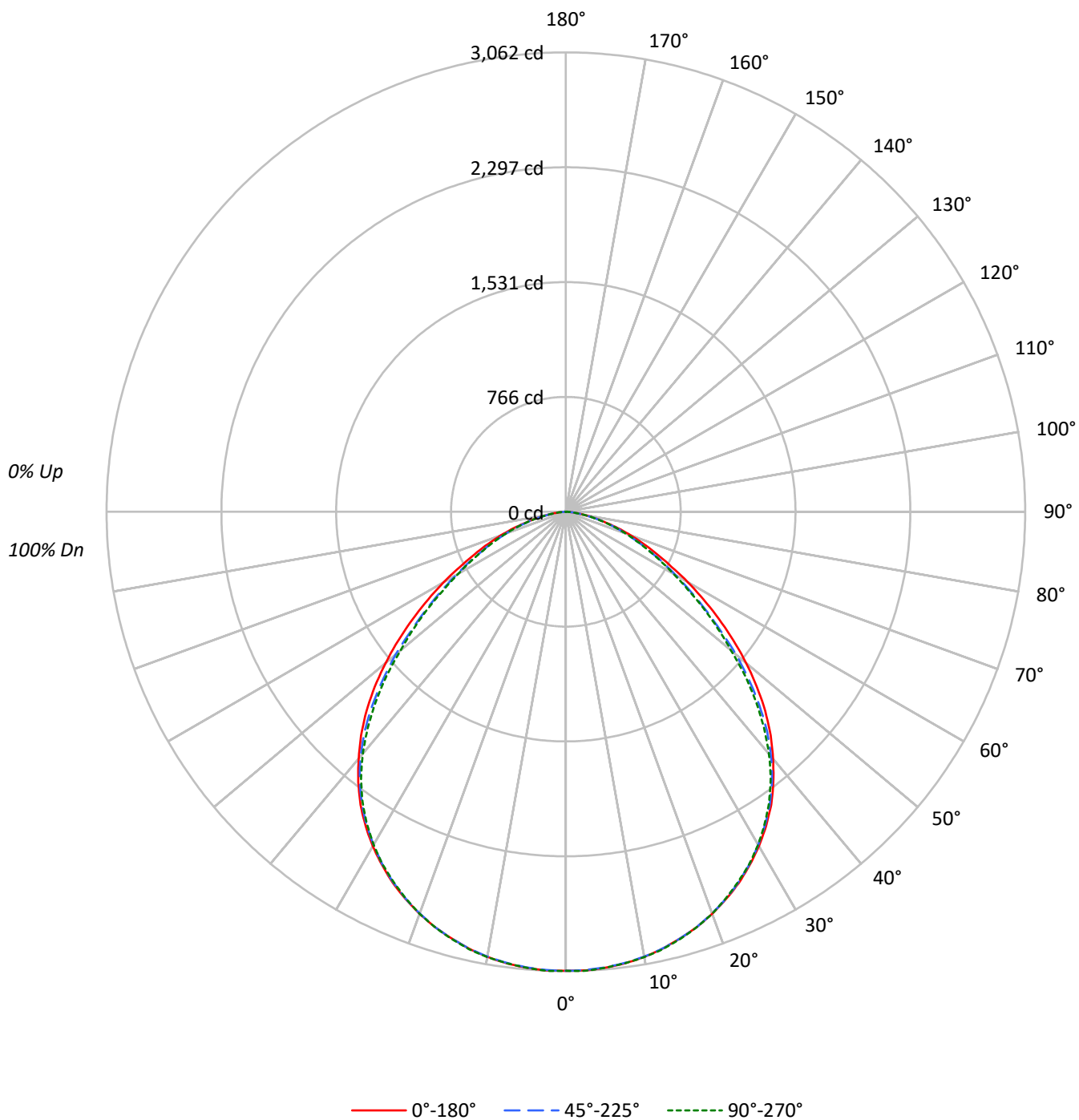
Lumens per Lamp: N/A
Luminaire Lumens: 7266.0 lumens
Efficiency: N/A
Efficacy: 106.9 lumens/watt
Spacing Criteria (0/90/45): 1.25 / 1.24 / 1.32
Luminous Opening: Rectangular (W 1.92' x L: 3.92' x H: 0')
CIE Type: Direct

Input Watts (W): 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
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°	4376	4376	4376
5°	4379	4375	4379
10°	4375	4372	4377
15°	4359	4359	4365
20°	4340	4336	4340
25°	4307	4298	4292
30°	4251	4235	4231
35°	4166	4141	4124
40°	4012	3973	3933
45°	3802	3690	3627
50°	3488	3293	3199
55°	3104	2828	2786
60°	2689	2416	2375
65°	2268	2072	2047
70°	1925	1774	1784
75°	1512	1445	1458
80°	1102	1082	1092
85°	673	712	712

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 3802 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	289.8	4.0
10°-20°	831.1	11.4
20°-30°	1254.5	17.3
30°-40°	1479.3	20.4
40°-50°	1405.6	19.3
50°-60°	1037.2	14.3
60°-70°	626.0	8.6
70°-80°	286.5	3.9
80°-90°	56.0	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°	2375.4	32.7
0°-40°	3854.8	53.1
0°-60°	6297.5	86.7
0°-90°	7266.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7266.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3060	3060	3060	3060	3060	
5°	3050	3052	3048	3045	3050	290
15°	2944	2945	2944	2943	2948	831
25°	2730	2728	2724	2719	2720	1257
35°	2386	2383	2372	2362	2362	1487
45°	1880	1867	1825	1799	1793	1444
55°	1245	1194	1134	1108	1117	1115
65°	670	648	612	600	605	673
75°	274	269	262	258	264	298
85°	41	42	43	42	43	55
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3059.9	3059.9	3059.9	3059.9	3059.9
2.5°	3059.9	3059.9	3057.5	3055.1	3062.3
5°	3050.2	3051.5	3047.8	3045.4	3050.2
7.5°	3035.8	3035.8	3032.2	3029.8	3034.6
10°	3012.9	3012.9	3010.5	3009.3	3014.1
12.5°	2982.8	2984.0	2981.6	2980.3	2986.4
15°	2944.2	2945.4	2944.2	2943.0	2947.8
17.5°	2903.2	2904.4	2902.0	2898.4	2903.2
20°	2851.4	2853.8	2849.0	2846.6	2851.4
22.5°	2793.5	2796.0	2791.1	2788.7	2788.7
25°	2729.7	2728.5	2723.7	2718.8	2720.0
27.5°	2655.0	2656.2	2648.9	2644.1	2647.7
30°	2574.2	2575.4	2564.6	2561.0	2562.2
32.5°	2483.8	2482.6	2473.0	2467.0	2467.0
35°	2386.2	2382.6	2371.7	2362.1	2362.1
37.5°	2272.9	2270.5	2258.5	2246.4	2242.8
40°	2148.8	2146.4	2128.3	2112.6	2106.6
42.5°	2021.0	2013.8	1984.9	1960.8	1954.8
45°	1880.0	1866.8	1824.6	1799.3	1793.3
47.5°	1728.2	1711.3	1653.5	1624.5	1622.1
50°	1567.9	1537.8	1479.9	1442.6	1437.7
52.5°	1406.4	1363.0	1296.7	1269.0	1276.3
55°	1244.9	1194.3	1134.1	1107.5	1117.2
57.5°	1088.3	1035.2	983.4	956.9	962.9
60°	940.0	894.2	844.8	823.1	830.4
62.5°	794.2	765.3	723.1	703.8	713.5
65°	670.1	648.4	612.2	600.2	605.0
67.5°	561.6	544.7	513.4	503.8	511.0
70°	460.4	448.3	424.2	420.6	426.6
72.5°	364.0	356.7	343.5	337.4	341.1
75°	273.6	268.7	261.5	257.9	263.9
77.5°	197.6	194.0	191.6	191.6	192.8
80°	133.8	132.6	131.4	130.2	132.6
82.5°	82.0	82.0	82.0	82.0	83.2
85°	41.0	42.2	43.4	42.2	43.4
87.5°	13.3	14.5	15.7	15.7	16.9
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)