

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: P1192916

Luminaire Tested: 24PT-72-PB1-L850

Issue Date: 10/2/2025

Test Information

Test Method: LM-79-2019
Report Number: P1192916
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-72-PB1-L850
Description: 7200 LUMEN 2X4 PERCEIVE PT TROFFER WITH 5000K, 80 CRI LEDS AND BEVEL LENS
Light Source: -
Ballast/Driver: -

Summary

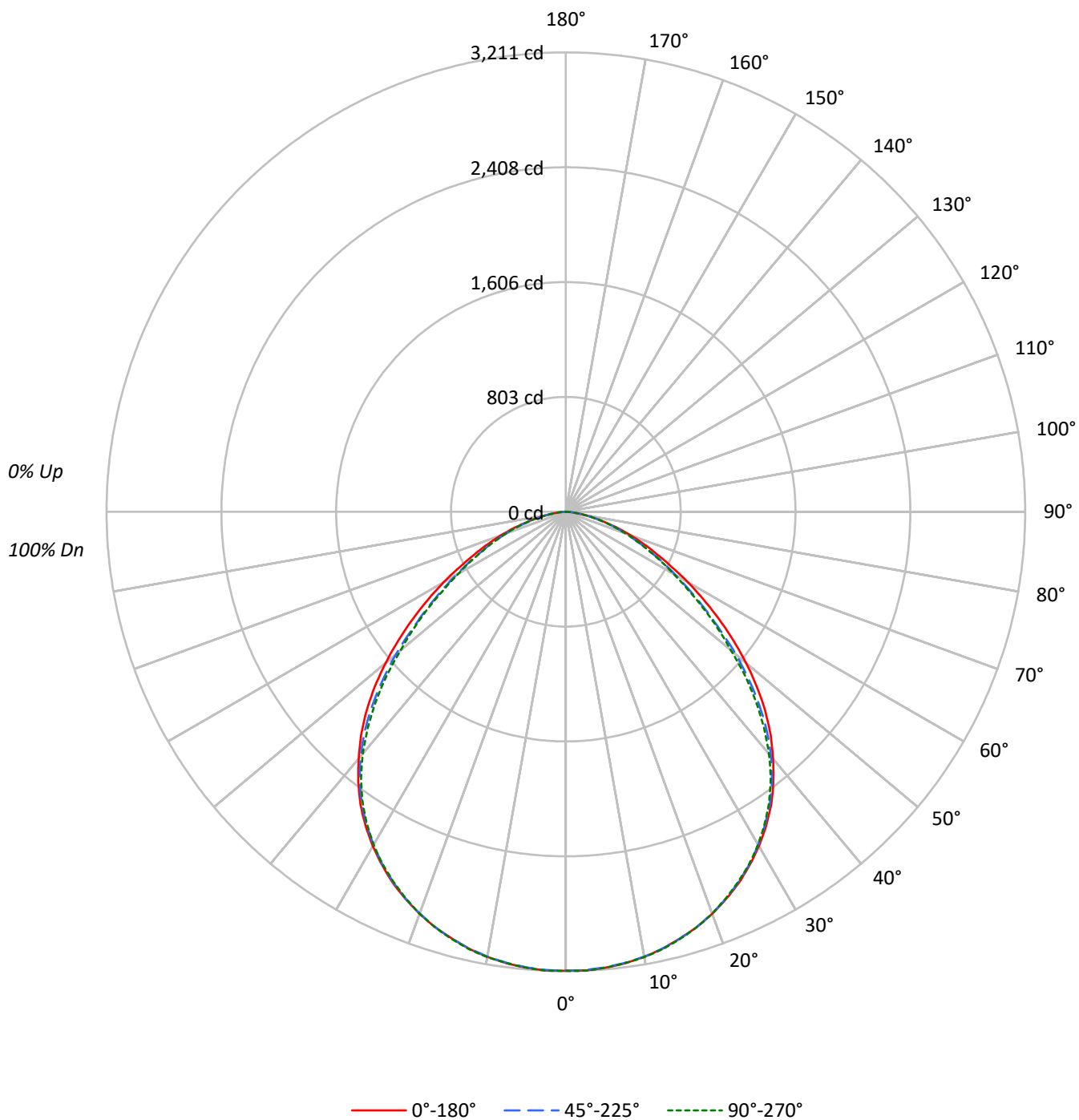
Lumens per Lamp: N/A
Luminaire Lumens: 7619.0 lumens
Efficiency: N/A
Efficacy: 127.0 lumens/watt
Spacing Criteria (0/90/45): 1.25 / 1.24 / 1.32
Luminous Opening: Rectangular (W 1.92' x L: 3.92' x H: 0')
CIE Type: Direct

Input Watts (W): 60
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°	4589	4589	4589
5°	4592	4588	4592
10°	4588	4584	4590
15°	4571	4571	4577
20°	4550	4547	4550
25°	4517	4507	4501
30°	4458	4441	4437
35°	4368	4342	4324
40°	4207	4166	4124
45°	3987	3870	3803
50°	3658	3453	3354
55°	3255	2965	2921
60°	2819	2534	2490
65°	2378	2173	2147
70°	2018	1860	1871
75°	1585	1515	1530
80°	1156	1134	1145
85°	706	747	747

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 3987 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	303.9	4.0
10°-20°	871.5	11.4
20°-30°	1315.5	17.3
30°-40°	1551.2	20.4
40°-50°	1473.9	19.3
50°-60°	1087.5	14.3
60°-70°	656.4	8.6
70°-80°	300.5	3.9
80°-90°	58.6	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°	2490.9	32.7
0°-40°	4042.0	53.1
0°-60°	6603.4	86.7
0°-90°	7619.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7619.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3208	3208	3208	3208	3208	
5°	3198	3200	3196	3193	3198	304
15°	3087	3088	3087	3086	3091	872
25°	2862	2861	2856	2851	2852	1318
35°	2502	2498	2487	2477	2477	1560
45°	1971	1958	1913	1887	1880	1514
55°	1305	1252	1189	1161	1172	1169
65°	703	680	642	629	634	706
75°	287	282	274	270	277	313
85°	43	44	46	44	46	58
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3208.5	3208.5	3208.5	3208.5	3208.5
2.5°	3208.5	3208.5	3206.0	3203.5	3211.1
5°	3198.4	3199.7	3195.9	3193.4	3198.4
7.5°	3183.3	3183.3	3179.5	3177.0	3182.0
10°	3159.3	3159.3	3156.7	3155.5	3160.5
12.5°	3127.7	3128.9	3126.4	3125.1	3131.5
15°	3087.2	3088.5	3087.2	3086.0	3091.0
17.5°	3044.3	3045.5	3043.0	3039.2	3044.3
20°	2989.9	2992.5	2987.4	2984.9	2989.9
22.5°	2929.3	2931.8	2926.7	2924.2	2924.2
25°	2862.3	2861.0	2856.0	2850.9	2852.2
27.5°	2783.9	2785.2	2777.6	2772.6	2776.4
30°	2699.3	2700.5	2689.2	2685.4	2686.6
32.5°	2604.5	2603.2	2593.1	2586.8	2586.8
35°	2502.1	2498.3	2487.0	2476.9	2476.9
37.5°	2383.3	2380.8	2368.2	2355.5	2351.8
40°	2253.2	2250.7	2231.7	2215.3	2209.0
42.5°	2119.2	2111.7	2081.3	2056.0	2049.7
45°	1971.4	1957.5	1913.2	1886.7	1880.4
47.5°	1812.2	1794.5	1733.8	1703.5	1700.9
50°	1644.1	1612.5	1551.8	1512.7	1507.6
52.5°	1474.7	1429.2	1359.7	1330.7	1338.3
55°	1305.4	1252.3	1189.1	1161.3	1171.5
57.5°	1141.1	1085.5	1031.2	1003.4	1009.7
60°	985.7	937.7	885.9	863.1	870.7
62.5°	832.8	802.5	758.2	738.0	748.1
65°	702.6	679.9	642.0	629.3	634.4
67.5°	588.9	571.2	538.3	528.2	535.8
70°	482.7	470.1	444.8	441.0	447.4
72.5°	381.6	374.1	360.2	353.8	357.6
75°	286.9	281.8	274.2	270.4	276.8
77.5°	207.2	203.5	200.9	200.9	202.2
80°	140.3	139.0	137.7	136.5	139.0
82.5°	85.9	85.9	85.9	85.9	87.2
85°	43.0	44.2	45.5	44.2	45.5
87.5°	13.9	15.2	16.4	16.4	17.7
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)