

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: P1192914

Luminaire Tested: 24PT-72-PB1-L835

Issue Date: 10/2/2025

Test Information

Test Method: LM-79-2019
Report Number: P1192914
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-L835
Description: 7200 LUMEN 2X4 PERCEIVE PT TROFFER WITH 3500K, 80 CRI LEDS AND BEVEL LENS
Light Source: -
Ballast/Driver: -

Summary

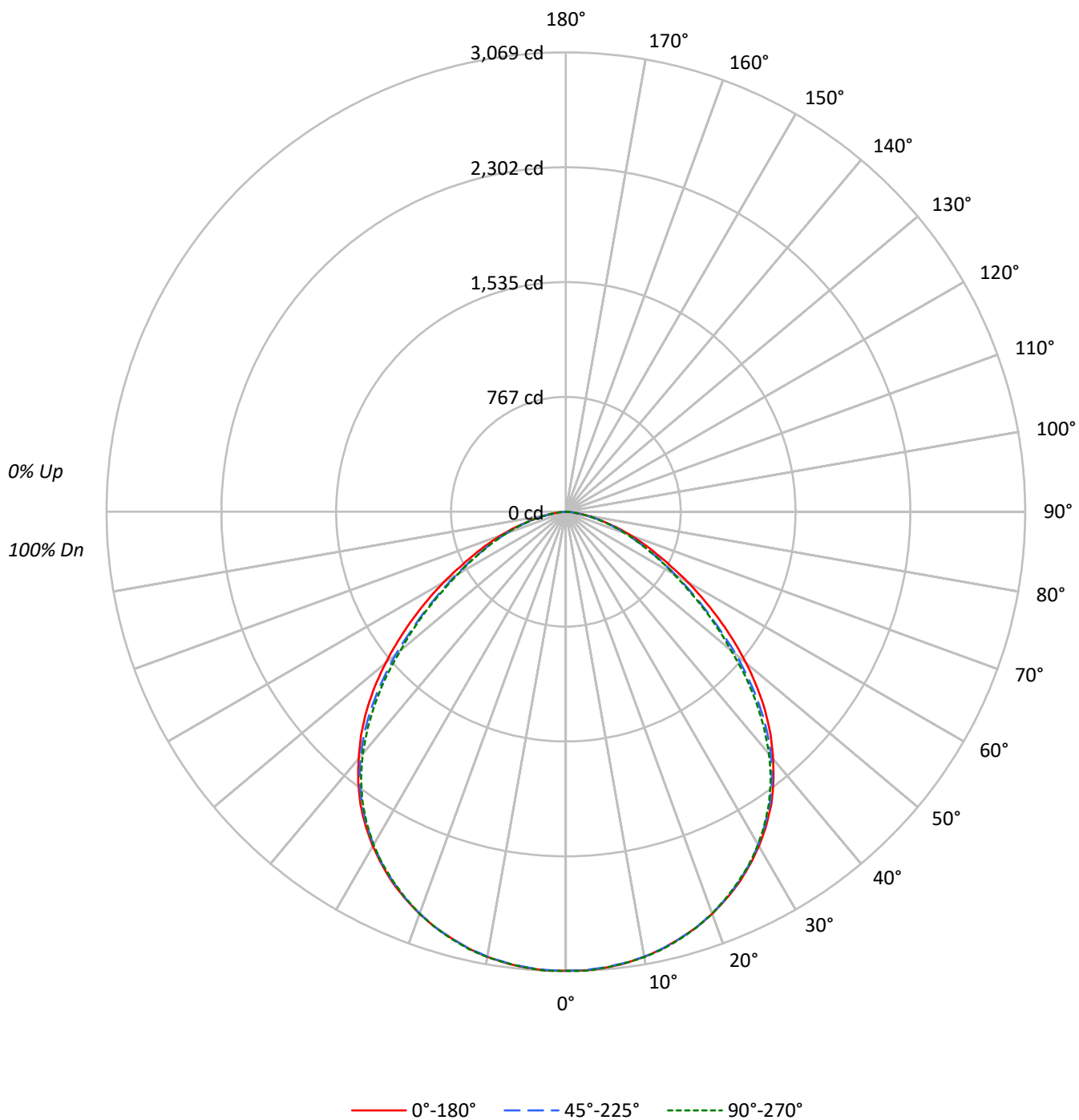
Lumens per Lamp: N/A
Luminaire Lumens: 7282.0 lumens
Efficiency: N/A
Efficacy: 121.4 lumens/watt
Spacing Criteria (0/90/45): 1.25 / 1.24 / 1.32
Luminous Opening: Rectangular (W 1.92' x L: 3.92' x H: 0')
CIE Type: Direct

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°	4386	4386	4386
5°	4389	4385	4389
10°	4385	4381	4387
15°	4369	4369	4374
20°	4349	4346	4349
25°	4317	4307	4302
30°	4260	4244	4240
35°	4175	4150	4133
40°	4020	3982	3941
45°	3811	3698	3635
50°	3496	3300	3206
55°	3111	2834	2792
60°	2695	2422	2380
65°	2272	2076	2052
70°	1929	1778	1788
75°	1515	1448	1462
80°	1104	1085	1095
85°	674	714	714

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 3811 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	290.5	4.0
10°-20°	832.9	11.4
20°-30°	1257.3	17.3
30°-40°	1482.6	20.4
40°-50°	1408.7	19.3
50°-60°	1039.4	14.3
60°-70°	627.4	8.6
70°-80°	287.2	3.9
80°-90°	56.1	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°	2380.7	32.7
0°-40°	3863.3	53.1
0°-60°	6311.4	86.7
0°-90°	7282.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7282.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3067	3067	3067	3067	3067	
5°	3057	3058	3054	3052	3057	291
15°	2951	2952	2951	2950	2954	833
25°	2736	2734	2730	2725	2726	1259
35°	2392	2388	2377	2367	2367	1491
45°	1884	1871	1829	1803	1797	1447
55°	1248	1197	1136	1110	1120	1117
65°	672	650	614	602	606	675
75°	274	269	262	258	264	299
85°	41	42	44	42	44	55
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3066.6	3066.6	3066.6	3066.6	3066.6
2.5°	3066.6	3066.6	3064.2	3061.8	3069.0
5°	3057.0	3058.2	3054.5	3052.1	3057.0
7.5°	3042.5	3042.5	3038.8	3036.4	3041.3
10°	3019.5	3019.5	3017.1	3015.9	3020.7
12.5°	2989.3	2990.5	2988.1	2986.9	2993.0
15°	2950.7	2951.9	2950.7	2949.5	2954.3
17.5°	2909.6	2910.8	2908.4	2904.8	2909.6
20°	2857.7	2860.1	2855.3	2852.8	2857.7
22.5°	2799.7	2802.1	2797.3	2794.9	2794.9
25°	2735.7	2734.5	2729.6	2724.8	2726.0
27.5°	2660.8	2662.0	2654.8	2649.9	2653.6
30°	2579.9	2581.1	2570.2	2566.6	2567.8
32.5°	2489.3	2488.1	2478.4	2472.4	2472.4
35°	2391.5	2387.8	2377.0	2367.3	2367.3
37.5°	2277.9	2275.5	2263.4	2251.4	2247.7
40°	2153.5	2151.1	2133.0	2117.3	2111.2
42.5°	2025.5	2018.2	1989.3	1965.1	1959.1
45°	1884.2	1870.9	1828.6	1803.3	1797.2
47.5°	1732.0	1715.1	1657.1	1628.1	1625.7
50°	1571.4	1541.2	1483.2	1445.7	1440.9
52.5°	1409.5	1366.0	1299.6	1271.8	1279.1
55°	1247.7	1196.9	1136.5	1110.0	1119.6
57.5°	1090.7	1037.5	985.6	959.0	965.0
60°	942.1	896.2	846.7	824.9	832.2
62.5°	795.9	767.0	724.7	705.4	715.0
65°	671.5	649.8	613.6	601.5	606.3
67.5°	562.8	545.9	514.5	504.9	512.1
70°	461.4	449.3	425.1	421.5	427.6
72.5°	364.8	357.5	344.2	338.2	341.8
75°	274.2	269.3	262.1	258.5	264.5
77.5°	198.1	194.5	192.0	192.0	193.2
80°	134.1	132.9	131.7	130.4	132.9
82.5°	82.1	82.1	82.1	82.1	83.3
85°	41.1	42.3	43.5	42.3	43.5
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)