

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: P1192926

Luminaire Tested: 24PT-80-PB1-L935

Issue Date: 10/2/2025

Test Information

Test Method: LM-79-2019
Report Number: P1192926
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-L935
Description: 8000 LUMEN 2X4 PERCEIVE PT TROFFER WITH 3500K, 90 CRI LEDS AND BEVEL LENS
Light Source: -
Ballast/Driver: -

Summary

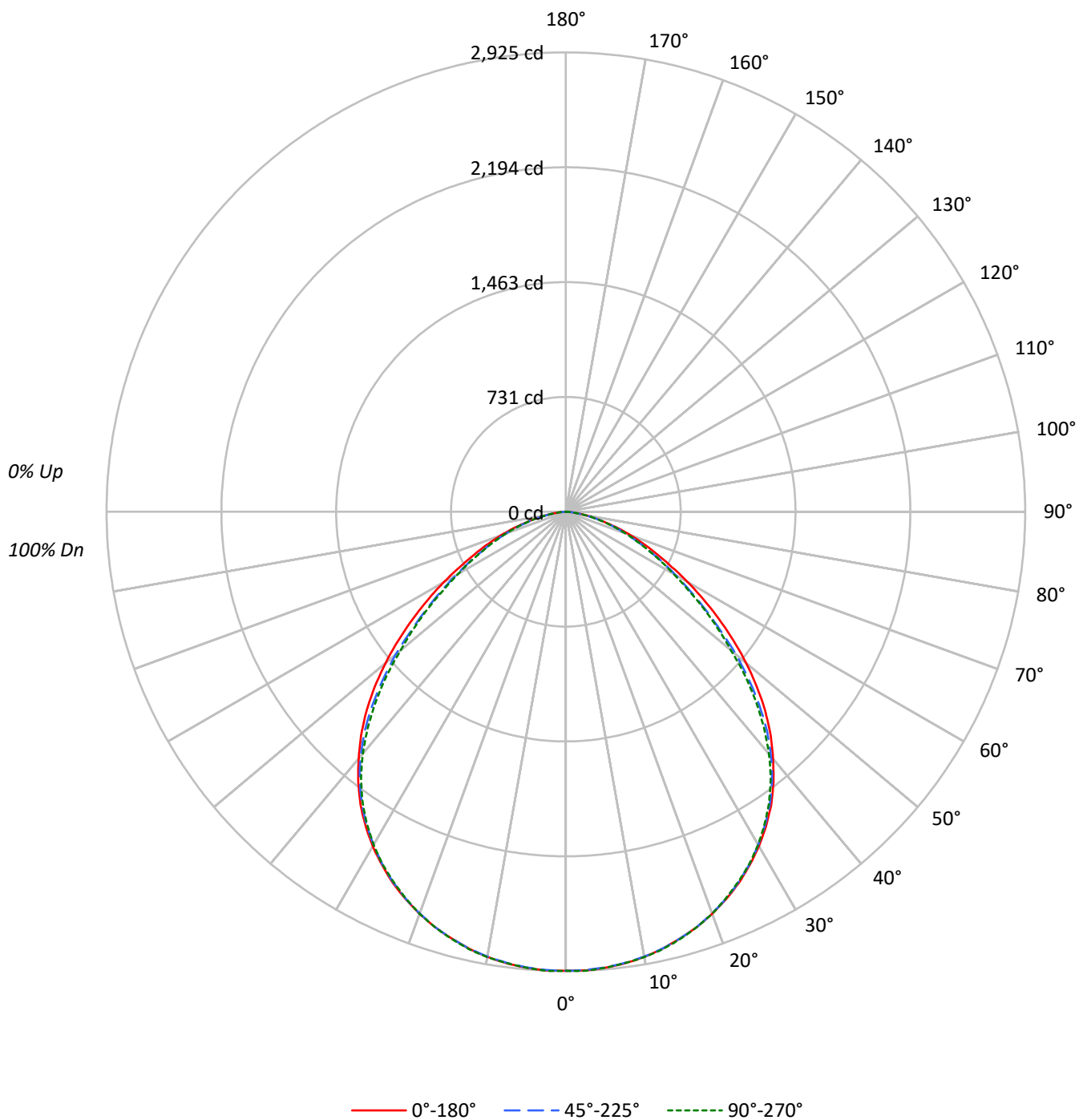
Lumens per Lamp: N/A
Luminaire Lumens: 6941.0 lumens
Efficiency: N/A
Efficacy: 102.1 lumens/watt
Spacing Criteria (0/90/45): 1.25 / 1.24 / 1.32
Luminous Opening: Rectangular (W 1.92' x L: 3.92' x H: 0')
CIE Type: Direct

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°	4180	4180	4180
5°	4183	4180	4183
10°	4180	4176	4181
15°	4164	4164	4169
20°	4146	4142	4146
25°	4115	4106	4100
30°	4061	4046	4042
35°	3980	3956	3939
40°	3832	3796	3757
45°	3632	3525	3465
50°	3332	3145	3056
55°	2965	2701	2661
60°	2569	2308	2269
65°	2166	1979	1956
70°	1839	1694	1704
75°	1444	1380	1393
80°	1053	1034	1043
85°	642	679	679

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 3632 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	276.9	4.0
10°-20°	793.9	11.4
20°-30°	1198.4	17.3
30°-40°	1413.2	20.4
40°-50°	1342.7	19.3
50°-60°	990.8	14.3
60°-70°	598.0	8.6
70°-80°	273.7	3.9
80°-90°	53.4	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°	2269.2	32.7
0°-40°	3682.4	53.1
0°-60°	6015.8	86.7
0°-90°	6941.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6941.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2923	2923	2923	2923	2923	
5°	2914	2915	2912	2909	2914	277
15°	2812	2814	2812	2811	2816	794
25°	2608	2606	2602	2597	2598	1200
35°	2280	2276	2266	2256	2256	1421
45°	1796	1783	1743	1719	1713	1379
55°	1189	1141	1083	1058	1067	1065
65°	640	619	585	573	578	643
75°	261	257	250	246	252	285
85°	39	40	41	40	41	53
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2923.0	2923.0	2923.0	2923.0	2923.0
2.5°	2923.0	2923.0	2920.7	2918.4	2925.3
5°	2913.8	2915.0	2911.5	2909.2	2913.8
7.5°	2900.0	2900.0	2896.5	2894.2	2898.8
10°	2878.1	2878.1	2875.8	2874.7	2879.3
12.5°	2849.3	2850.5	2848.2	2847.0	2852.8
15°	2812.5	2813.7	2812.5	2811.4	2816.0
17.5°	2773.4	2774.5	2772.2	2768.8	2773.4
20°	2723.9	2726.2	2721.6	2719.3	2723.9
22.5°	2668.6	2670.9	2666.3	2664.0	2664.0
25°	2607.6	2606.4	2601.8	2597.2	2598.4
27.5°	2536.2	2537.4	2530.4	2525.8	2529.3
30°	2459.1	2460.2	2449.9	2446.4	2447.6
32.5°	2372.7	2371.6	2362.4	2356.6	2356.6
35°	2279.5	2276.0	2265.7	2256.4	2256.4
37.5°	2171.3	2169.0	2157.4	2145.9	2142.5
40°	2052.7	2050.4	2033.1	2018.1	2012.4
42.5°	1930.6	1923.7	1896.1	1873.1	1867.3
45°	1795.9	1783.3	1743.0	1718.8	1713.1
47.5°	1650.9	1634.8	1579.5	1551.9	1549.6
50°	1497.8	1469.0	1413.7	1378.0	1373.4
52.5°	1343.5	1302.1	1238.7	1212.3	1219.2
55°	1189.2	1140.9	1083.3	1058.0	1067.2
57.5°	1039.6	988.9	939.4	914.1	919.8
60°	898.0	854.2	807.0	786.3	793.2
62.5°	758.7	731.0	690.7	672.3	681.5
65°	640.1	619.4	584.8	573.3	577.9
67.5°	536.5	520.4	490.4	481.2	488.1
70°	439.8	428.3	405.2	401.8	407.5
72.5°	347.7	340.8	328.1	322.3	325.8
75°	261.3	256.7	249.8	246.4	252.1
77.5°	188.8	185.4	183.0	183.0	184.2
80°	127.8	126.6	125.5	124.3	126.6
82.5°	78.3	78.3	78.3	78.3	79.4
85°	39.1	40.3	41.4	40.3	41.4
87.5°	12.7	13.8	15.0	15.0	16.1
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)