

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: P1192927

Luminaire Tested: 24PT-80-PB1-L940

Issue Date: 10/2/2025

Test Information

Test Method: LM-79-2019
Report Number: P1192927
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-L940
Description: 8000 LUMEN 2X4 PERCEIVE PT TROFFER WITH 4000K, 90 CRI LEDS AND BEVEL LENS
Light Source: -
Ballast/Driver: -

Summary

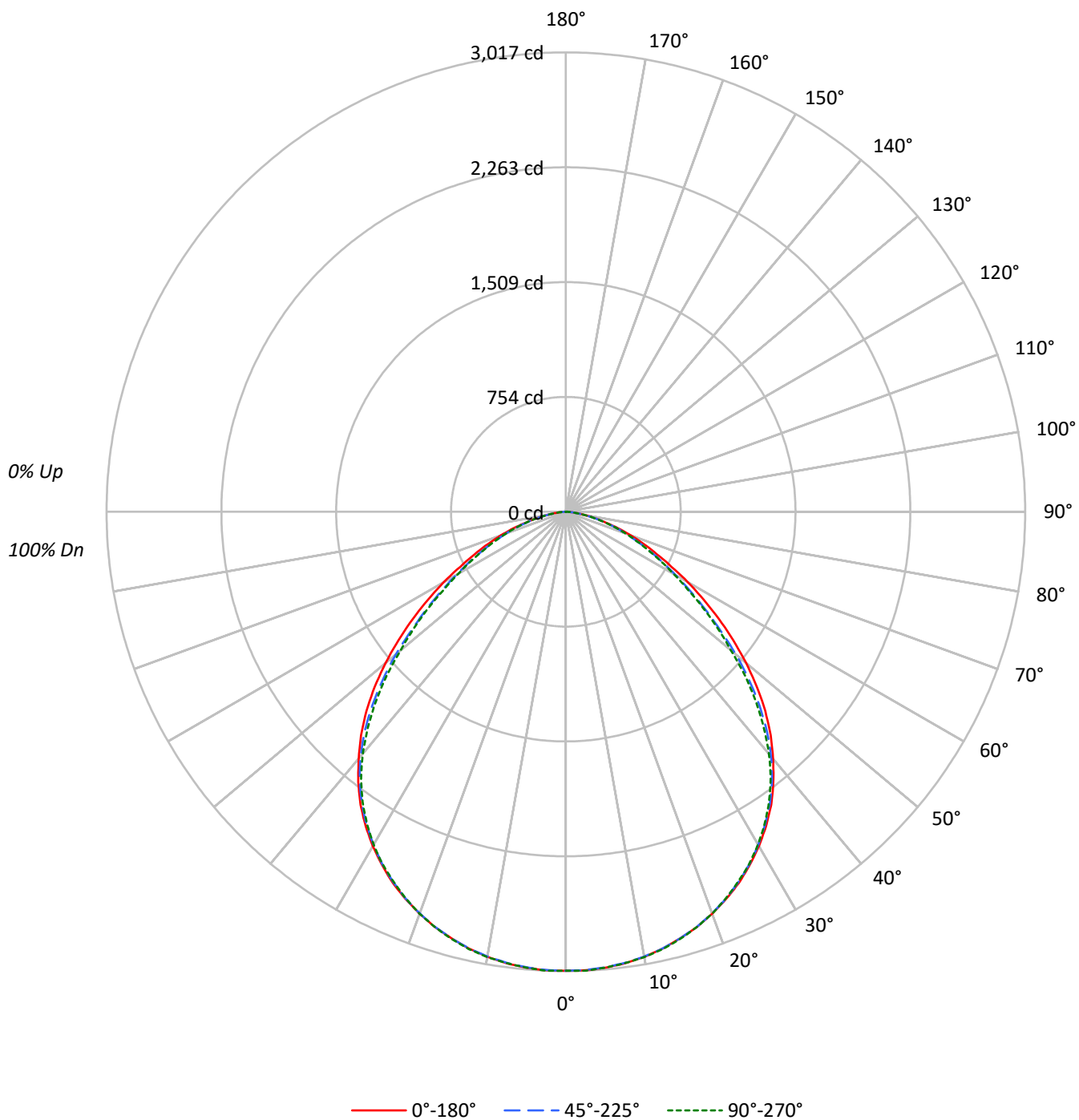
Lumens per Lamp: N/A
Luminaire Lumens: 7158.0 lumens
Efficiency: N/A
Efficacy: 105.3 lumens/watt
Spacing Criteria (0/90/45): 1.25 / 1.24 / 1.32
Luminous Opening: Rectangular (W 1.92' x L: 3.92' x H: 0')
CIE Type: Direct

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°	4311	4311	4311
5°	4314	4310	4314
10°	4310	4307	4312
15°	4294	4294	4300
20°	4275	4271	4275
25°	4243	4234	4228
30°	4188	4172	4168
35°	4104	4079	4063
40°	3952	3914	3874
45°	3746	3636	3573
50°	3437	3244	3151
55°	3058	2786	2744
60°	2649	2381	2340
65°	2234	2041	2017
70°	1896	1747	1757
75°	1489	1423	1437
80°	1085	1066	1076
85°	663	701	701

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 3746 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	285.5	4.0
10°-20°	818.7	11.4
20°-30°	1235.9	17.3
30°-40°	1457.3	20.4
40°-50°	1384.7	19.3
50°-60°	1021.8	14.3
60°-70°	616.7	8.6
70°-80°	282.3	3.9
80°-90°	55.1	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°	2340.1	32.7
0°-40°	3797.5	53.1
0°-60°	6203.9	86.7
0°-90°	7158.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7158.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3014	3014	3014	3014	3014	
5°	3005	3006	3002	3000	3005	286
15°	2900	2902	2900	2899	2904	819
25°	2689	2688	2683	2678	2680	1238
35°	2351	2347	2336	2327	2327	1465
45°	1852	1839	1798	1773	1767	1422
55°	1226	1177	1117	1091	1101	1098
65°	660	639	603	591	596	663
75°	270	265	258	254	260	294
85°	40	42	43	42	43	54
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3014.4	3014.4	3014.4	3014.4	3014.4
2.5°	3014.4	3014.4	3012.0	3009.7	3016.8
5°	3004.9	3006.1	3002.5	3000.2	3004.9
7.5°	2990.7	2990.7	2987.1	2984.7	2989.5
10°	2968.1	2968.1	2965.7	2964.5	2969.3
12.5°	2938.4	2939.6	2937.2	2936.0	2942.0
15°	2900.4	2901.6	2900.4	2899.2	2904.0
17.5°	2860.1	2861.3	2858.9	2855.3	2860.1
20°	2809.0	2811.4	2806.6	2804.3	2809.0
22.5°	2752.0	2754.4	2749.7	2747.3	2747.3
25°	2689.1	2687.9	2683.2	2678.4	2679.6
27.5°	2615.5	2616.7	2609.6	2604.8	2608.4
30°	2535.9	2537.1	2526.5	2522.9	2524.1
32.5°	2446.9	2445.7	2436.2	2430.3	2430.3
35°	2350.7	2347.2	2336.5	2327.0	2327.0
37.5°	2239.1	2236.8	2224.9	2213.0	2209.5
40°	2116.9	2114.5	2096.7	2081.2	2075.3
42.5°	1991.0	1983.9	1955.4	1931.6	1925.7
45°	1852.1	1839.0	1797.5	1772.6	1766.6
47.5°	1702.5	1685.9	1628.9	1600.4	1598.0
50°	1544.6	1514.9	1457.9	1421.1	1416.4
52.5°	1385.5	1342.8	1277.5	1250.2	1257.3
55°	1226.4	1176.6	1117.2	1091.1	1100.6
57.5°	1072.1	1019.8	968.8	942.7	948.6
60°	926.0	880.9	832.3	810.9	818.0
62.5°	782.4	753.9	712.3	693.3	702.8
65°	660.1	638.7	603.1	591.2	596.0
67.5°	553.3	536.6	505.8	496.3	503.4
70°	453.5	441.7	417.9	414.3	420.3
72.5°	358.5	351.4	338.4	332.4	336.0
75°	269.5	264.8	257.6	254.1	260.0
77.5°	194.7	191.1	188.8	188.8	190.0
80°	131.8	130.6	129.4	128.2	130.6
82.5°	80.7	80.7	80.7	80.7	81.9
85°	40.4	41.6	42.7	41.6	42.7
87.5°	13.1	14.2	15.4	15.4	16.6
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)