

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: P1192859

Luminaire Tested: 24PT-20-PB1-L840

Issue Date: 10/2/2025

Test Information

Test Method: LM-79-2019
Report Number: P1192859
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-20-PB1-L840
Description: 2000 LUMEN 2X4 PERCEIVE PT TROFFER WITH 4000K, 80 CRI LEDS AND BEVEL LENS
Light Source: -
Ballast/Driver: -

Summary

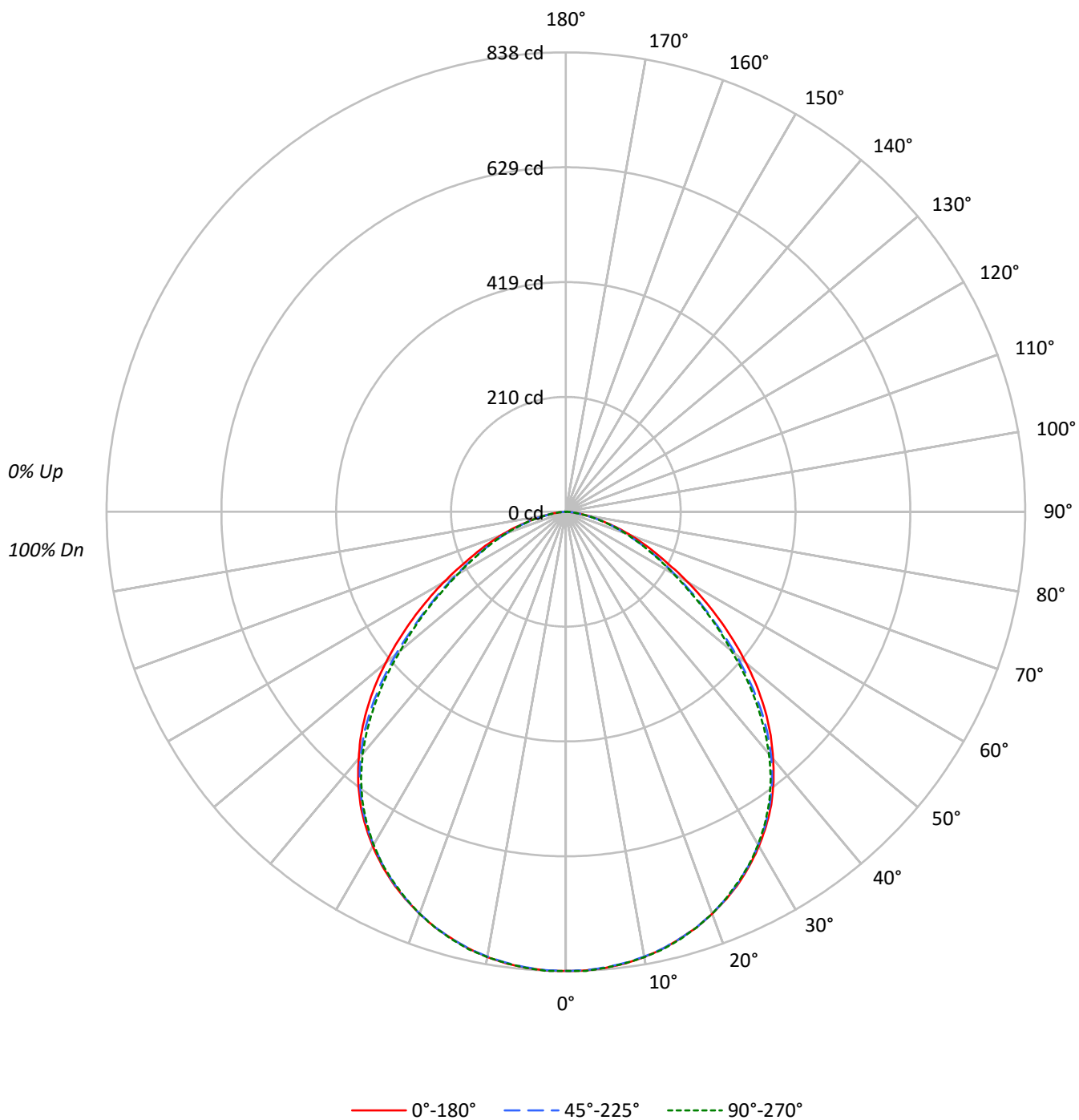
Lumens per Lamp: N/A
Luminaire Lumens: 1989.0 lumens
Efficiency: N/A
Efficacy: 132.6 lumens/watt
Spacing Criteria (0/90/45): 1.25 / 1.24 / 1.32
Luminous Opening: Rectangular (W 1.92' x L: 3.92' x H: 0')
CIE Type: Direct

Input Watts (W): 15
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°	1198	1198	1198
5°	1199	1198	1199
10°	1198	1197	1198
15°	1193	1193	1195
20°	1188	1187	1188
25°	1179	1177	1175
30°	1164	1159	1158
35°	1140	1133	1129
40°	1098	1088	1077
45°	1041	1010	993
50°	955	901	876
55°	850	774	762
60°	736	662	650
65°	621	567	560
70°	527	485	488
75°	414	396	399
80°	301	296	299
85°	184	195	195

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 1041 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	79.3	4.0
10°-20°	227.5	11.4
20°-30°	343.4	17.3
30°-40°	404.9	20.4
40°-50°	384.8	19.3
50°-60°	283.9	14.3
60°-70°	171.4	8.6
70°-80°	78.4	3.9
80°-90°	15.3	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°	650.3	32.7
0°-40°	1055.2	53.1
0°-60°	1723.9	86.7
0°-90°	1989.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1989.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	838	838	838	838	838	
5°	835	835	834	834	835	79
15°	806	806	806	806	807	228
25°	747	747	746	744	745	344
35°	653	652	649	647	647	407
45°	515	511	500	492	491	395
55°	341	327	310	303	306	305
65°	183	178	168	164	166	184
75°	75	74	72	71	72	82
85°	11	12	12	12	12	15
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	837.6	837.6	837.6	837.6	837.6
2.5°	837.6	837.6	837.0	836.3	838.3
5°	835.0	835.3	834.3	833.7	835.0
7.5°	831.0	831.0	830.0	829.4	830.7
10°	824.7	824.7	824.1	823.8	825.1
12.5°	816.5	816.8	816.2	815.8	817.5
15°	805.9	806.3	805.9	805.6	806.9
17.5°	794.7	795.1	794.4	793.4	794.7
20°	780.5	781.2	779.9	779.2	780.5
22.5°	764.7	765.4	764.0	763.4	763.4
25°	747.2	746.9	745.6	744.3	744.6
27.5°	726.8	727.1	725.1	723.8	724.8
30°	704.7	705.0	702.0	701.0	701.4
32.5°	679.9	679.6	677.0	675.3	675.3
35°	653.2	652.2	649.2	646.6	646.6
37.5°	622.2	621.5	618.2	614.9	613.9
40°	588.2	587.6	582.6	578.3	576.7
42.5°	553.2	551.3	543.3	536.7	535.1
45°	514.6	511.0	499.5	492.5	490.9
47.5°	473.1	468.5	452.6	444.7	444.0
50°	429.2	421.0	405.1	394.9	393.6
52.5°	385.0	373.1	355.0	347.4	349.4
55°	340.8	326.9	310.4	303.2	305.8
57.5°	297.9	283.4	269.2	261.9	263.6
60°	257.3	244.8	231.3	225.3	227.3
62.5°	217.4	209.5	197.9	192.7	195.3
65°	183.4	177.5	167.6	164.3	165.6
67.5°	153.7	149.1	140.5	137.9	139.9
70°	126.0	122.7	116.1	115.1	116.8
72.5°	99.6	97.7	94.0	92.4	93.4
75°	74.9	73.6	71.6	70.6	72.2
77.5°	54.1	53.1	52.5	52.5	52.8
80°	36.6	36.3	36.0	35.6	36.3
82.5°	22.4	22.4	22.4	22.4	22.8
85°	11.2	11.5	11.9	11.5	11.9
87.5°	3.6	4.0	4.3	4.3	4.6
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)