

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: P1192864

Luminaire Tested: 24PT-20-PB1-L950

Issue Date: 10/2/2025

Test Information

Test Method: LM-79-2019
Report Number: P1192864
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-L950
Description: 2000 LUMEN 2X4 PERCEIVE PT TROFFER WITH 5000K, 90 CRI LEDS AND BEVEL LENS
Light Source: -
Ballast/Driver: -

Summary

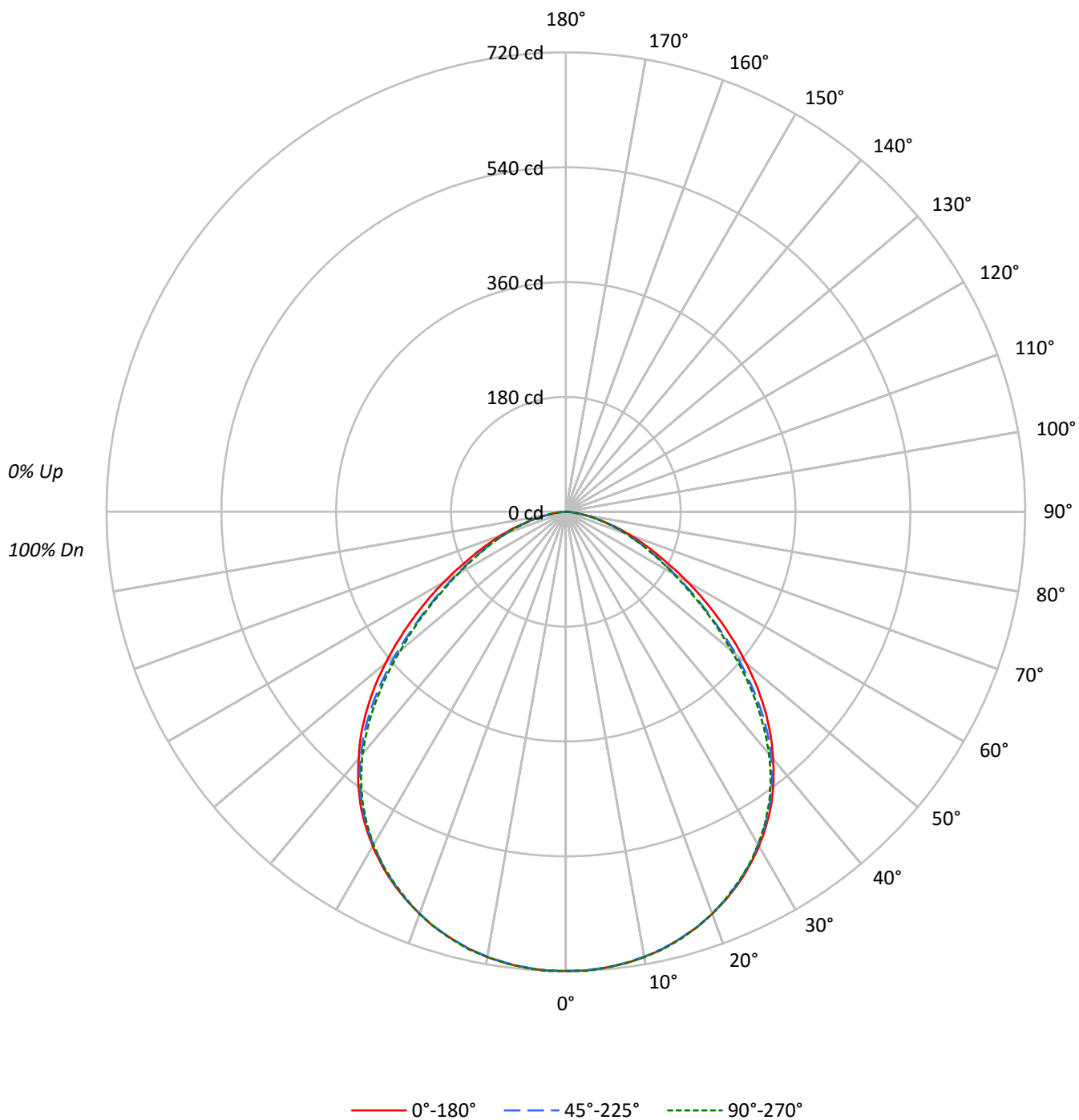
Lumens per Lamp: N/A
Luminaire Lumens: 1709.0 lumens
Efficiency: N/A
Efficacy: 113.9 lumens/watt
Spacing Criteria (0/90/45): 1.25 / 1.24 / 1.32
Luminous Opening: Rectangular (W 1.92' x L: 3.92' x H: 0')
CIE Type: Direct

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°	1029	1029	1029
5°	1030	1029	1030
10°	1029	1028	1029
15°	1025	1025	1027
20°	1021	1020	1021
25°	1013	1011	1010
30°	1000	996	995
35°	980	974	970
40°	944	935	925
45°	894	868	853
50°	821	774	752
55°	730	665	655
60°	632	568	559
65°	533	487	482
70°	453	417	419
75°	355	340	343
80°	259	254	257
85°	158	167	167

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 894 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	68.2	4.0
10°-20°	195.5	11.4
20°-30°	295.1	17.3
30°-40°	347.9	20.4
40°-50°	330.6	19.3
50°-60°	244.0	14.3
60°-70°	147.2	8.6
70°-80°	67.4	3.9
80°-90°	13.2	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°	558.7	32.7
0°-40°	906.7	53.1
0°-60°	1481.2	86.7
0°-90°	1709.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1709.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	720	720	720	720	720	
5°	717	718	717	716	717	68
15°	692	693	692	692	693	196
25°	642	642	641	640	640	296
35°	561	560	558	556	556	350
45°	442	439	429	423	422	340
55°	293	281	267	260	263	262
65°	158	152	144	141	142	158
75°	64	63	62	61	62	70
85°	10	10	10	10	10	13
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	719.7	719.7	719.7	719.7	719.7
2.5°	719.7	719.7	719.1	718.6	720.3
5°	717.4	717.7	716.9	716.3	717.4
7.5°	714.0	714.0	713.2	712.6	713.7
10°	708.6	708.6	708.1	707.8	708.9
12.5°	701.6	701.8	701.3	701.0	702.4
15°	692.5	692.8	692.5	692.2	693.3
17.5°	682.9	683.1	682.6	681.7	682.9
20°	670.7	671.2	670.1	669.5	670.7
22.5°	657.1	657.6	656.5	655.9	655.9
25°	642.0	641.8	640.6	639.5	639.8
27.5°	624.5	624.7	623.0	621.9	622.8
30°	605.5	605.8	603.2	602.3	602.6
32.5°	584.2	583.9	581.7	580.2	580.2
35°	561.2	560.4	557.8	555.6	555.6
37.5°	534.6	534.0	531.2	528.4	527.5
40°	505.4	504.8	500.6	496.9	495.5
42.5°	475.4	473.7	466.9	461.2	459.8
45°	442.2	439.1	429.2	423.2	421.8
47.5°	406.5	402.5	388.9	382.1	381.5
50°	368.8	361.7	348.1	339.3	338.2
52.5°	330.8	320.6	305.0	298.5	300.2
55°	292.8	280.9	266.7	260.5	262.8
57.5°	256.0	243.5	231.3	225.1	226.5
60°	221.1	210.3	198.7	193.6	195.3
62.5°	186.8	180.0	170.1	165.5	167.8
65°	157.6	152.5	144.0	141.2	142.3
67.5°	132.1	128.1	120.8	118.5	120.2
70°	108.3	105.4	99.8	98.9	100.3
72.5°	85.6	83.9	80.8	79.4	80.2
75°	64.3	63.2	61.5	60.7	62.1
77.5°	46.5	45.6	45.1	45.1	45.4
80°	31.5	31.2	30.9	30.6	31.2
82.5°	19.3	19.3	19.3	19.3	19.6
85°	9.6	9.9	10.2	9.9	10.2
87.5°	3.1	3.4	3.7	3.7	4.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)