

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: P1192860

Luminaire Tested: 24PT-20-PB1-L850

Issue Date: 10/2/2025

Test Information

Test Method: LM-79-2019
Report Number: P1192860
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-L850
Description: 2000 LUMEN 2X4 PERCEIVE PT TROFFER WITH 5000K, 80 CRI LEDS AND BEVEL LENS
Light Source: -
Ballast/Driver: -

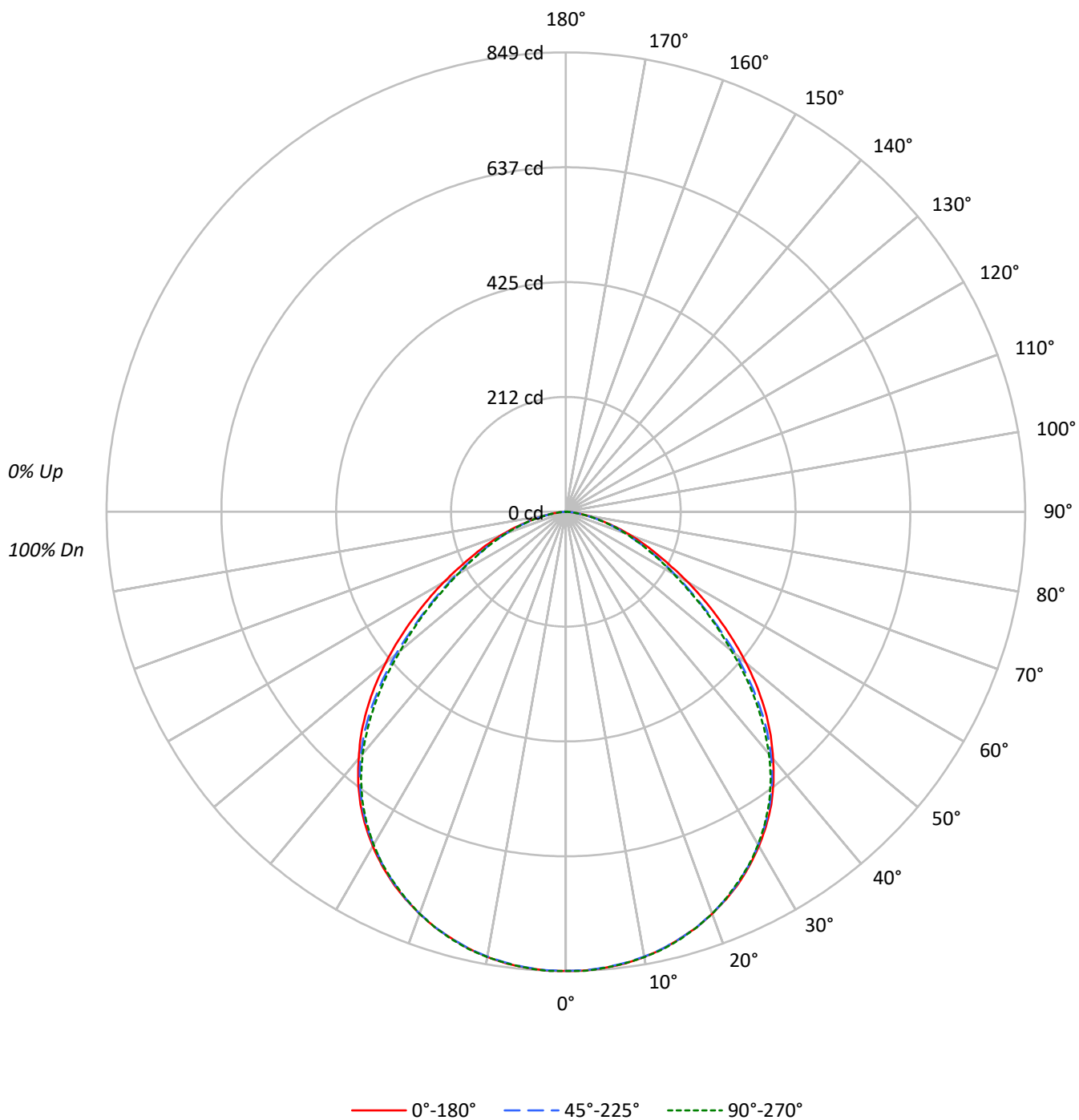
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2015.0 lumens
Efficiency: N/A
Efficacy: 134.3 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): 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°	1214	1214	1214
5°	1214	1213	1214
10°	1213	1212	1214
15°	1209	1209	1210
20°	1203	1202	1203
25°	1195	1192	1190
30°	1179	1174	1173
35°	1155	1148	1144
40°	1113	1102	1091
45°	1055	1023	1006
50°	967	913	887
55°	861	784	772
60°	746	670	659
65°	629	575	568
70°	534	492	495
75°	419	401	404
80°	306	300	303
85°	187	197	197

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 1055 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	80.4	4.0
10°-20°	230.5	11.4
20°-30°	347.9	17.3
30°-40°	410.2	20.4
40°-50°	389.8	19.3
50°-60°	287.6	14.3
60°-70°	173.6	8.6
70°-80°	79.5	3.9
80°-90°	15.5	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°	658.8	32.7
0°-40°	1069.0	53.1
0°-60°	1746.4	86.7
0°-90°	2015.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2015.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	849	849	849	849	849	
5°	846	846	845	845	846	80
15°	816	817	816	816	818	231
25°	757	757	755	754	754	348
35°	662	661	658	655	655	412
45°	521	518	506	499	497	400
55°	345	331	314	307	310	309
65°	186	180	170	166	168	187
75°	76	74	72	72	73	83
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°	848.6	848.6	848.6	848.6	848.6
2.5°	848.6	848.6	847.9	847.2	849.2
5°	845.9	846.2	845.2	844.6	845.9
7.5°	841.9	841.9	840.9	840.2	841.5
10°	835.5	835.5	834.9	834.5	835.9
12.5°	827.2	827.5	826.8	826.5	828.2
15°	816.5	816.8	816.5	816.1	817.5
17.5°	805.1	805.5	804.8	803.8	805.1
20°	790.7	791.4	790.1	789.4	790.7
22.5°	774.7	775.4	774.0	773.4	773.4
25°	757.0	756.7	755.3	754.0	754.3
27.5°	736.3	736.6	734.6	733.3	734.3
30°	713.9	714.2	711.2	710.2	710.5
32.5°	688.8	688.5	685.8	684.1	684.1
35°	661.7	660.7	657.7	655.1	655.1
37.5°	630.3	629.7	626.3	623.0	622.0
40°	595.9	595.2	590.2	585.9	584.2
42.5°	560.5	558.5	550.4	543.8	542.1
45°	521.4	517.7	506.0	499.0	497.3
47.5°	479.3	474.6	458.5	450.5	449.8
50°	434.8	426.5	410.4	400.1	398.7
52.5°	390.0	378.0	359.6	351.9	353.9
55°	345.2	331.2	314.5	307.1	309.8
57.5°	301.8	287.1	272.7	265.4	267.0
60°	260.7	248.0	234.3	228.3	230.3
62.5°	220.2	212.2	200.5	195.2	197.9
65°	185.8	179.8	169.8	166.4	167.8
67.5°	155.7	151.1	142.4	139.7	141.7
70°	127.7	124.3	117.6	116.6	118.3
72.5°	100.9	98.9	95.3	93.6	94.6
75°	75.9	74.5	72.5	71.5	73.2
77.5°	54.8	53.8	53.1	53.1	53.5
80°	37.1	36.8	36.4	36.1	36.8
82.5°	22.7	22.7	22.7	22.7	23.1
85°	11.4	11.7	12.0	11.7	12.0
87.5°	3.7	4.0	4.3	4.3	4.7
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)