

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: P1192857

Luminaire Tested: 24PT-20-PB1-L830

Issue Date: 10/2/2025

Test Information

Test Method: LM-79-2019
Report Number: P1192857
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-L830
Description: 2000 LUMEN 2X4 PERCEIVE PT TROFFER WITH 3000K, 80 CRI LEDS AND BEVEL LENS
Light Source: -
Ballast/Driver: -

Summary

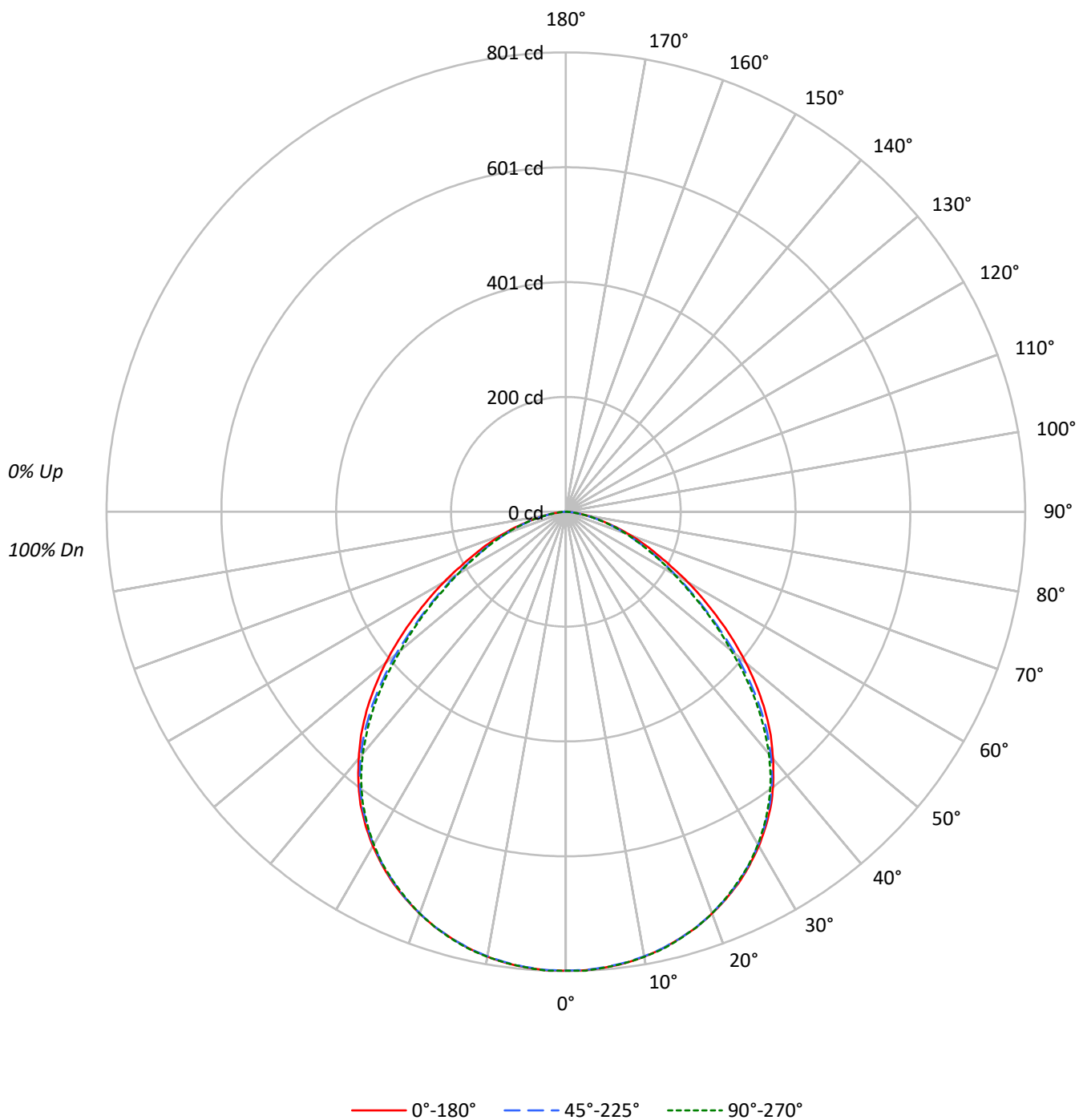
Lumens per Lamp: N/A
Luminaire Lumens: 1900.0 lumens
Efficiency: N/A
Efficacy: 126.7 lumens/watt
Spacing Criteria (0/90/45): 1.25 / 1.24 / 1.32
Luminous Opening: Rectangular (W 1.92' x L: 3.92' x H: 0')
CIE Type: Direct

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°	1144	1144	1144
5°	1145	1144	1145
10°	1144	1143	1145
15°	1140	1140	1141
20°	1135	1134	1135
25°	1126	1124	1122
30°	1112	1107	1106
35°	1089	1083	1078
40°	1049	1039	1028
45°	994	965	948
50°	912	861	837
55°	812	739	728
60°	703	632	621
65°	593	542	535
70°	503	464	467
75°	395	378	381
80°	288	283	286
85°	176	185	185

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 994 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	75.8	4.0
10°-20°	217.3	11.4
20°-30°	328.1	17.3
30°-40°	386.8	20.4
40°-50°	367.5	19.3
50°-60°	271.2	14.3
60°-70°	163.7	8.6
70°-80°	74.9	3.9
80°-90°	14.6	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°	621.2	32.7
0°-40°	1008.0	53.1
0°-60°	1646.7	86.7
0°-90°	1900.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1900.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	800	800	800	800	800	
5°	798	798	797	796	798	76
15°	770	770	770	770	771	217
25°	714	714	712	711	711	329
35°	624	623	620	618	618	389
45°	492	488	477	470	469	377
55°	326	312	296	290	292	291
65°	175	170	160	157	158	176
75°	72	70	68	67	69	78
85°	11	11	11	11	11	14
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	800.1	800.1	800.1	800.1	800.1
2.5°	800.1	800.1	799.5	798.9	800.8
5°	797.6	797.9	797.0	796.4	797.6
7.5°	793.8	793.8	792.9	792.3	793.5
10°	787.8	787.8	787.2	786.9	788.2
12.5°	780.0	780.3	779.7	779.3	780.9
15°	769.9	770.2	769.9	769.6	770.8
17.5°	759.2	759.5	758.9	757.9	759.2
20°	745.6	746.2	745.0	744.4	745.6
22.5°	730.5	731.1	729.9	729.2	729.2
25°	713.8	713.5	712.2	711.0	711.3
27.5°	694.2	694.6	692.7	691.4	692.4
30°	673.1	673.5	670.6	669.7	670.0
32.5°	649.5	649.2	646.7	645.1	645.1
35°	624.0	623.0	620.2	617.7	617.7
37.5°	594.4	593.7	590.6	587.4	586.5
40°	561.9	561.3	556.5	552.4	550.9
42.5°	528.5	526.6	519.0	512.7	511.2
45°	491.6	488.1	477.1	470.5	468.9
47.5°	451.9	447.5	432.4	424.8	424.2
50°	410.0	402.1	387.0	377.2	376.0
52.5°	367.8	356.4	339.1	331.8	333.7
55°	325.5	312.3	296.5	289.6	292.1
57.5°	284.6	270.7	257.2	250.2	251.8
60°	245.8	233.8	220.9	215.2	217.1
62.5°	207.7	200.1	189.1	184.0	186.6
65°	175.2	169.5	160.1	156.9	158.2
67.5°	146.9	142.4	134.2	131.7	133.6
70°	120.4	117.2	110.9	110.0	111.6
72.5°	95.2	93.3	89.8	88.2	89.2
75°	71.5	70.3	68.4	67.4	69.0
77.5°	51.7	50.7	50.1	50.1	50.4
80°	35.0	34.7	34.4	34.0	34.7
82.5°	21.4	21.4	21.4	21.4	21.7
85°	10.7	11.0	11.3	11.0	11.3
87.5°	3.5	3.8	4.1	4.1	4.4
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)