

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: P1192865

Luminaire Tested: 24PT-30-PB1-L830

Issue Date: 10/2/2025

Test Information

Test Method: LM-79-2019
Report Number: P1192865
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-30-PB1-L830
Description: 3000 LUMEN 2X4 PERCEIVE PT TROFFER WITH 3000K, 80 CRI LEDS AND BEVEL LENS
Light Source: -
Ballast/Driver: -

Summary

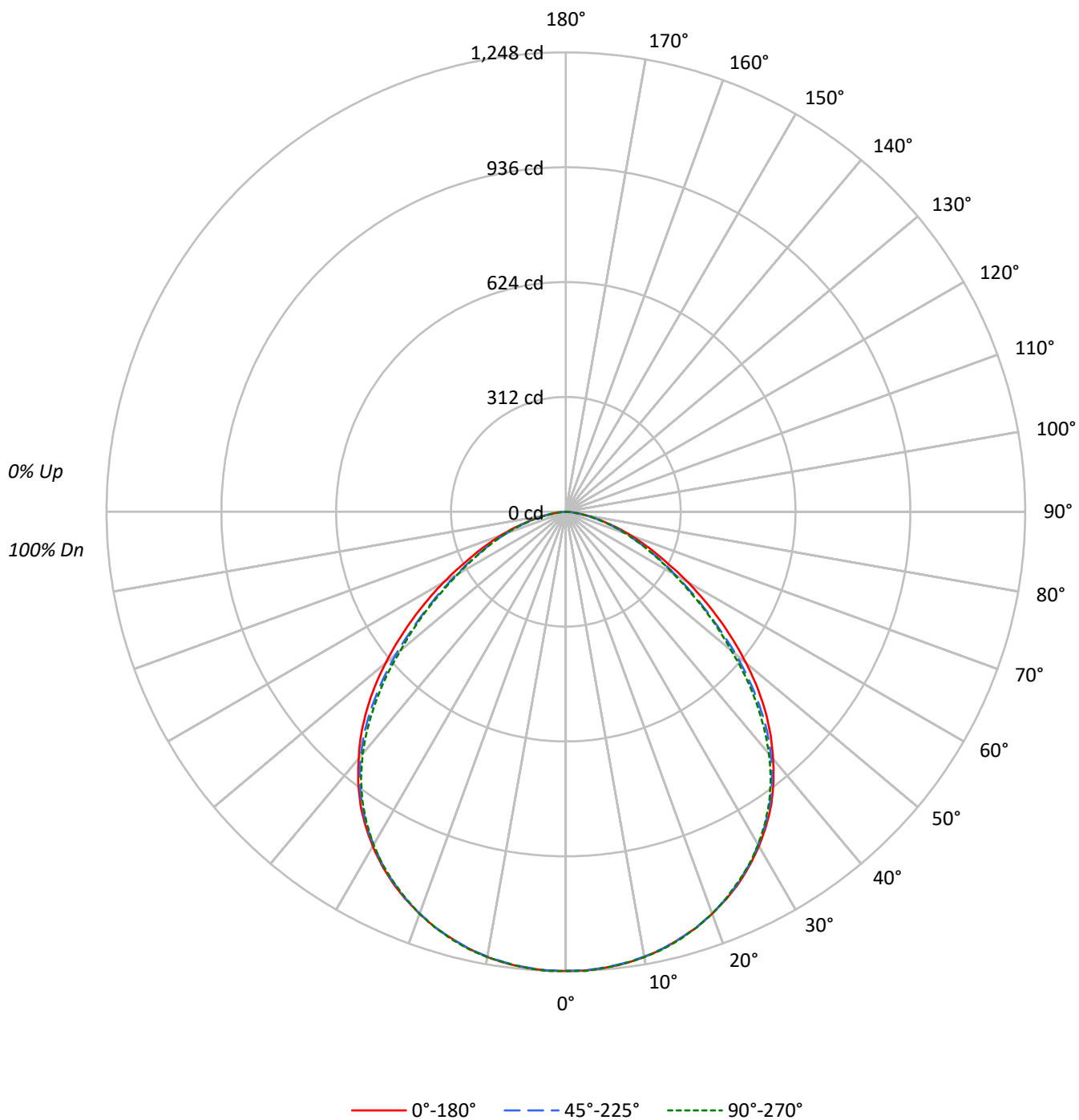
Lumens per Lamp: N/A
Luminaire Lumens: 2962.0 lumens
Efficiency: N/A
Efficacy: 123.4 lumens/watt
Spacing Criteria (0/90/45): 1.25 / 1.24 / 1.32
Luminous Opening: Rectangular (W 1.92' x L: 3.92' x H: 0')
CIE Type: Direct

Input Watts (W): 24
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	30	10	50	30	10
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	102	102	100
1	110	106	102	99	108	104	100	97	100	97	94	96	93	91	92	90	89	89	89	87
2	101	94	88	83	99	92	86	82	88	84	80	85	81	78	82	79	76	76	76	74
3	93	83	76	70	91	82	75	69	79	73	68	76	71	67	74	70	66	66	66	64
4	86	75	66	60	83	73	66	60	71	64	59	69	63	58	66	62	58	58	58	55
5	79	67	59	53	77	66	58	52	64	57	52	62	56	51	60	55	51	51	51	49
6	73	61	52	46	71	60	52	46	58	51	46	56	50	45	55	49	45	45	45	43
7	68	55	47	41	66	55	47	41	53	46	41	52	45	40	50	45	40	40	40	38
8	64	51	43	37	62	50	42	37	49	42	37	47	41	36	46	41	36	36	36	34
9	59	47	39	33	58	46	38	33	45	38	33	44	38	33	43	37	33	33	33	31
10	56	43	35	30	55	43	35	30	42	35	30	41	34	30	40	34	30	30	30	28

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1784	1784	1784
5°	1785	1784	1785
10°	1784	1782	1784
15°	1777	1777	1779
20°	1769	1768	1769
25°	1756	1752	1750
30°	1733	1727	1725
35°	1698	1688	1681
40°	1635	1620	1603
45°	1550	1504	1478
50°	1422	1342	1304
55°	1265	1153	1135
60°	1096	985	968
65°	925	845	835
70°	785	723	727
75°	616	589	595
80°	449	441	445
85°	274	290	290

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 1550 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	118.2	4.0
10°-20°	338.8	11.4
20°-30°	511.4	17.3
30°-40°	603.1	20.4
40°-50°	573.0	19.3
50°-60°	422.8	14.3
60°-70°	255.2	8.6
70°-80°	116.8	3.9
80°-90°	22.8	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°	968.4	32.7
0°-40°	1571.4	53.1
0°-60°	2567.2	86.7
0°-90°	2962.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2962.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1247	1247	1247	1247	1247	
5°	1243	1244	1242	1242	1243	118
15°	1200	1201	1200	1200	1202	339
25°	1113	1112	1110	1108	1109	512
35°	973	971	967	963	963	606
45°	766	761	744	734	731	588
55°	508	487	462	452	455	454
65°	273	264	250	245	247	275
75°	112	110	107	105	108	122
85°	17	17	18	17	18	22
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1247.4	1247.4	1247.4	1247.4	1247.4
2.5°	1247.4	1247.4	1246.4	1245.4	1248.4
5°	1243.4	1243.9	1242.5	1241.5	1243.4
7.5°	1237.5	1237.5	1236.1	1235.1	1237.1
10°	1228.2	1228.2	1227.2	1226.7	1228.7
12.5°	1215.9	1216.4	1215.4	1214.9	1217.4
15°	1200.2	1200.7	1200.2	1199.7	1201.7
17.5°	1183.5	1184.0	1183.0	1181.5	1183.5
20°	1162.4	1163.4	1161.4	1160.4	1162.4
22.5°	1138.8	1139.8	1137.8	1136.8	1136.8
25°	1112.8	1112.3	1110.3	1108.3	1108.8
27.5°	1082.3	1082.8	1079.8	1077.9	1079.4
30°	1049.4	1049.9	1045.5	1044.0	1044.5
32.5°	1012.5	1012.0	1008.1	1005.7	1005.7
35°	972.7	971.3	966.8	962.9	962.9
37.5°	926.6	925.6	920.7	915.8	914.3
40°	876.0	875.0	867.6	861.2	858.8
42.5°	823.9	820.9	809.1	799.3	796.9
45°	766.4	761.0	743.8	733.5	731.0
47.5°	704.5	697.6	674.0	662.3	661.3
50°	639.2	626.9	603.3	588.1	586.1
52.5°	573.3	555.6	528.6	517.3	520.3
55°	507.5	486.9	462.3	451.5	455.4
57.5°	443.6	422.0	400.9	390.1	392.5
60°	383.2	364.5	344.4	335.5	338.5
62.5°	323.8	312.0	294.8	286.9	290.8
65°	273.2	264.3	249.6	244.7	246.6
67.5°	228.9	222.1	209.3	205.4	208.3
70°	187.7	182.8	172.9	171.5	173.9
72.5°	148.4	145.4	140.0	137.6	139.0
75°	111.5	109.6	106.6	105.1	107.6
77.5°	80.6	79.1	78.1	78.1	78.6
80°	54.5	54.0	53.5	53.1	54.0
82.5°	33.4	33.4	33.4	33.4	33.9
85°	16.7	17.2	17.7	17.2	17.7
87.5°	5.4	5.9	6.4	6.4	6.9
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)