

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: P1192874

Luminaire Tested: 24PT-35-PB1-L835

Issue Date: 10/2/2025

Test Information

Test Method: LM-79-2019
Report Number: P1192874
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-35-PB1-L835
Description: 3500 LUMEN 2X4 PERCEIVE PT TROFFER WITH 3500K, 80 CRI LEDS AND BEVEL LENS
Light Source: -
Ballast/Driver: -

Summary

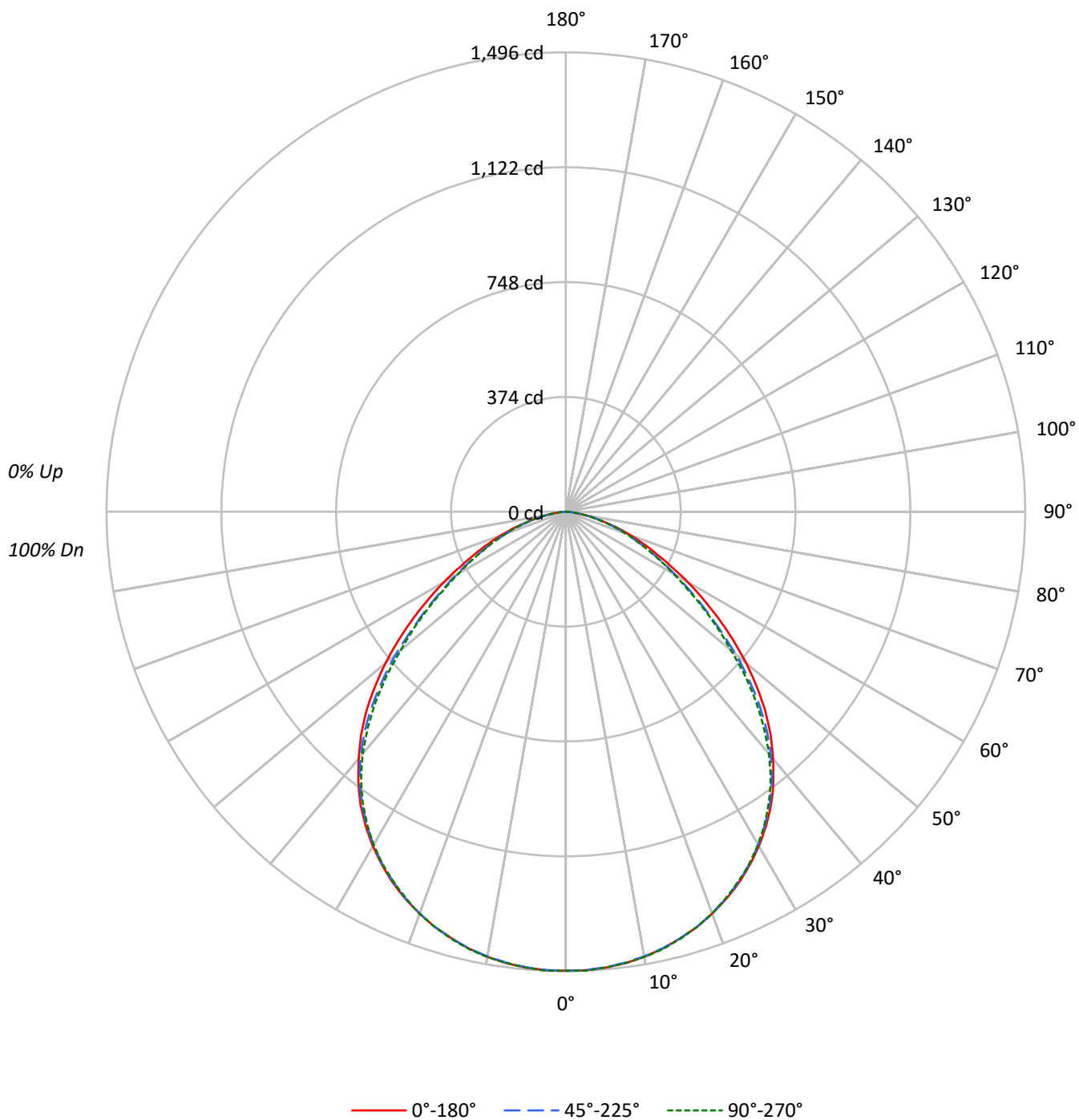
Lumens per Lamp: N/A
Luminaire Lumens: 3549.0 lumens
Efficiency: N/A
Efficacy: 126.8 lumens/watt
Spacing Criteria (0/90/45): 1.25 / 1.24 / 1.32
Luminous Opening: Rectangular (W 1.92' x L: 3.92' x H: 0')
CIE Type: Direct

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

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2138	2138	2138
5°	2139	2137	2139
10°	2137	2135	2138
15°	2129	2129	2132
20°	2120	2118	2120
25°	2104	2099	2097
30°	2076	2069	2067
35°	2035	2023	2014
40°	1960	1941	1921
45°	1857	1802	1772
50°	1704	1608	1563
55°	1516	1381	1361
60°	1313	1180	1160
65°	1108	1012	1000
70°	940	866	871
75°	738	706	712
80°	538	529	534
85°	328	348	348

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 1857 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	141.6	4.0
10°-20°	405.9	11.4
20°-30°	612.8	17.3
30°-40°	722.6	20.4
40°-50°	686.5	19.3
50°-60°	506.6	14.3
60°-70°	305.8	8.6
70°-80°	140.0	3.9
80°-90°	27.3	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°	1160.3	32.7
0°-40°	1882.8	53.1
0°-60°	3075.9	86.7
0°-90°	3549.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3549.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1495	1495	1495	1495	1495	
5°	1490	1490	1489	1488	1490	142
15°	1438	1439	1438	1438	1440	406
25°	1333	1333	1330	1328	1329	614
35°	1166	1164	1158	1154	1154	727
45°	918	912	891	879	876	705
55°	608	583	554	541	546	544
65°	327	317	299	293	296	329
75°	134	131	128	126	129	146
85°	20	21	21	21	21	27
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1494.6	1494.6	1494.6	1494.6	1494.6
2.5°	1494.6	1494.6	1493.4	1492.2	1495.7
5°	1489.9	1490.4	1488.7	1487.5	1489.9
7.5°	1482.8	1482.8	1481.0	1479.9	1482.2
10°	1471.6	1471.6	1470.4	1469.8	1472.2
12.5°	1456.9	1457.5	1456.3	1455.7	1458.7
15°	1438.1	1438.6	1438.1	1437.5	1439.8
17.5°	1418.0	1418.6	1417.5	1415.7	1418.0
20°	1392.7	1393.9	1391.6	1390.4	1392.7
22.5°	1364.5	1365.7	1363.3	1362.1	1362.1
25°	1333.3	1332.7	1330.3	1328.0	1328.6
27.5°	1296.8	1297.4	1293.8	1291.5	1293.3
30°	1257.3	1257.9	1252.6	1250.9	1251.5
32.5°	1213.2	1212.6	1207.9	1205.0	1205.0
35°	1165.5	1163.8	1158.5	1153.7	1153.7
37.5°	1110.2	1109.0	1103.1	1097.2	1095.5
40°	1049.6	1048.4	1039.5	1031.9	1029.0
42.5°	987.2	983.6	969.5	957.7	954.8
45°	918.3	911.8	891.2	878.8	875.9
47.5°	844.1	835.9	807.6	793.5	792.3
50°	765.8	751.1	722.9	704.6	702.3
52.5°	686.9	665.8	633.4	619.8	623.4
55°	608.1	583.3	553.9	541.0	545.7
57.5°	531.5	505.6	480.3	467.4	470.3
60°	459.1	436.8	412.6	402.0	405.6
62.5°	387.9	373.8	353.2	343.8	348.5
65°	327.3	316.7	299.0	293.1	295.5
67.5°	274.3	266.1	250.8	246.1	249.6
70°	224.9	219.0	207.2	205.4	208.4
72.5°	177.8	174.2	167.8	164.8	166.6
75°	133.6	131.3	127.7	126.0	128.9
77.5°	96.5	94.8	93.6	93.6	94.2
80°	65.3	64.8	64.2	63.6	64.8
82.5°	40.0	40.0	40.0	40.0	40.6
85°	20.0	20.6	21.2	20.6	21.2
87.5°	6.5	7.1	7.7	7.7	8.2
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)