

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: P1046894

Luminaire Tested: 22PTR-45-PP3-L835-UNV-STD-W

Issue Date: 7/10/2025

Test Information

Test Method: LM-79-2019
Report Number: P1046894
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P737727)
Test Lab: INNOVATION CENTER
Issue Date: 7/10/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: 22PTR-45-PP3-L835-UNV-STD-W
Description: 4500 LUMEN 2X2 PERCEIVE PT TROFFER WITH 3500K, 80 CRI LEDS AND PRISM LENS

Light Source:
Ballast/Driver: -

Summary

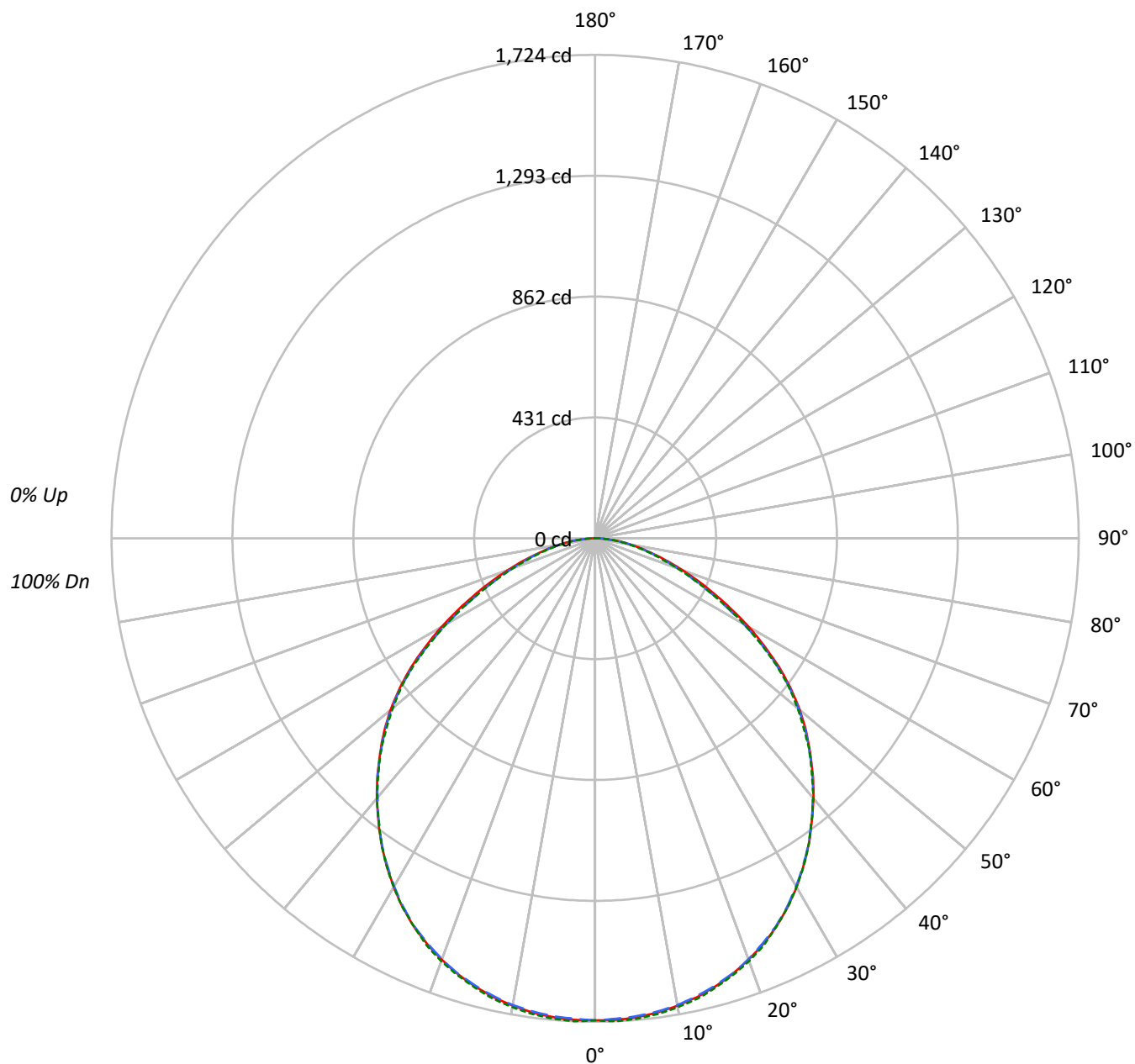
Lumens per Lamp: N/A
Luminaire Lumens: 4442.6 lumens
Efficiency: N/A
Efficacy: 126.9 lumens/watt
Spacing Criteria (0/90/45): 1.24 / 1.24 / 1.34
Luminous Opening: (L: 2 ' x W: 0 ' x H: 2 '
CIE Type: Direct

Input Watts (W): 35
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor:
Total Harmonic Distortion (THDi):
Frequency (hertz): 60
Stabilization Time: HR
Operation Time: HR
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	109	105	101	97	107	103	99	96	99	96	93	95	92	90	91	89	87	85		
2	100	92	86	80	97	90	84	79	87	82	78	84	79	76	81	77	74	72		
3	92	81	74	67	89	80	73	67	77	71	66	74	69	65	72	67	63	61		
4	84	73	64	58	82	71	63	57	69	62	56	66	60	56	64	59	55	53		
5	77	65	56	50	75	64	56	50	62	55	49	60	54	49	58	52	48	46		
6	72	59	50	44	70	58	50	44	56	49	43	54	48	43	53	47	42	40		
7	66	53	45	39	65	52	44	39	51	44	38	50	43	38	48	42	38	36		
8	62	49	40	35	60	48	40	35	47	39	34	45	39	34	44	38	34	32		
9	58	45	37	31	57	44	36	31	43	36	31	42	35	31	41	35	31	29		
10	54	41	34	28	53	41	33	28	40	33	28	39	33	28	38	32	28	26		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	Luminous shape not found, reference photometric report, or contact the photometric lab for calculations.		
5°			
10°			
15°			
20°			
25°			
30°			
35°			
40°			
45°			
50°			
55°			
60°			
65°			
70°			
75°			
80°			
85°			

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: -
Vertical Angle: -
Luminance: -

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	163.1	3.7
10°-20°	467.1	10.5
20°-30°	703.3	15.8
30°-40°	830.1	18.7
40°-50°	834.8	18.8
50°-60°	704.8	15.9
60°-70°	452.6	10.2
70°-80°	225.1	5.1
80°-90°	61.7	1.4
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°	1333.5	30.0
0°-40°	2163.6	48.7
0°-60°	3703.2	83.4
0°-90°	4442.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4442.6	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1719	1719	1719	1719	1719	
5°	1714	1715	1711	1719	1720	163
15°	1655	1655	1651	1659	1659	467
25°	1528	1529	1526	1529	1528	703
35°	1329	1329	1327	1328	1328	830
45°	1084	1088	1081	1082	1082	837
55°	800	799	791	788	788	712
65°	470	463	446	442	446	468
75°	215	214	207	205	203	233
85°	53	55	55	52	52	62
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1719.4	1719.4	1719.4	1719.4	1719.4
2.5°	1718.8	1719.4	1714.9	1723.1	1724.4
5°	1714.4	1714.9	1710.6	1718.8	1719.9
7.5°	1705.6	1706.3	1702.4	1709.9	1711.3
10°	1692.4	1694.5	1690.0	1697.0	1698.1
12.5°	1676.3	1677.0	1672.5	1680.7	1682.0
15°	1654.6	1655.0	1651.4	1658.9	1658.9
17.5°	1629.4	1630.1	1627.6	1633.9	1633.3
20°	1599.0	1600.8	1597.7	1602.0	1604.5
22.5°	1565.9	1566.6	1562.7	1568.4	1570.9
25°	1528.5	1528.9	1526.0	1528.9	1527.8
27.5°	1484.7	1485.9	1481.5	1484.7	1485.4
30°	1436.0	1439.1	1433.0	1435.5	1436.0
32.5°	1383.6	1385.4	1381.1	1381.8	1384.9
35°	1328.7	1329.4	1326.9	1328.0	1328.0
37.5°	1269.5	1272.0	1268.1	1270.0	1267.5
40°	1210.8	1208.3	1206.9	1208.3	1210.1
42.5°	1148.9	1149.5	1147.7	1146.4	1143.4
45°	1084.0	1087.9	1080.8	1082.2	1082.2
47.5°	1020.5	1021.0	1017.3	1013.5	1011.0
50°	952.5	952.5	947.9	945.0	941.1
52.5°	878.1	877.0	872.0	868.8	870.6
55°	800.1	799.4	790.8	787.6	788.3
57.5°	714.6	715.9	702.8	699.6	699.6
60°	632.9	626.6	611.6	607.3	612.8
62.5°	547.2	539.7	523.6	523.6	527.9
65°	469.9	463.1	446.3	441.8	445.6
67.5°	397.5	391.2	375.8	373.3	374.4
70°	328.8	323.4	313.9	308.2	310.2
72.5°	269.6	264.7	258.3	254.0	251.5
75°	215.2	214.1	207.3	205.2	202.7
77.5°	170.3	169.9	164.2	161.7	159.2
80°	127.9	127.2	126.1	122.2	120.4
82.5°	91.2	91.2	90.5	87.3	85.5
85°	53.1	54.9	54.9	51.7	51.7
87.5°	21.3	22.5	21.3	21.3	20.6
90°	0.0	0.0	0.0	0.0	0.0



Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report





— 0°-180° - - 45°-225° - - - 90°-270°





(END OF REPORT)