

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: P1046726

Luminaire Tested: 22PTR-45-PB1-L835-UNV-STD-W

Issue Date: 7/10/2025

Test Information

Test Method: LM-79-2019
Report Number: P1046726
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P737703)
Test Lab: INNOVATION CENTER
Issue Date: 7/10/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: 22PTR-45-PB1-L835-UNV-STD-W
Description: 4500 LUMEN 2X2 PERCEIVE PT TROFFER WITH 3500K, 80 CRI LEDS AND BEVEL LENS

Light Source:
Ballast/Driver: -

Summary

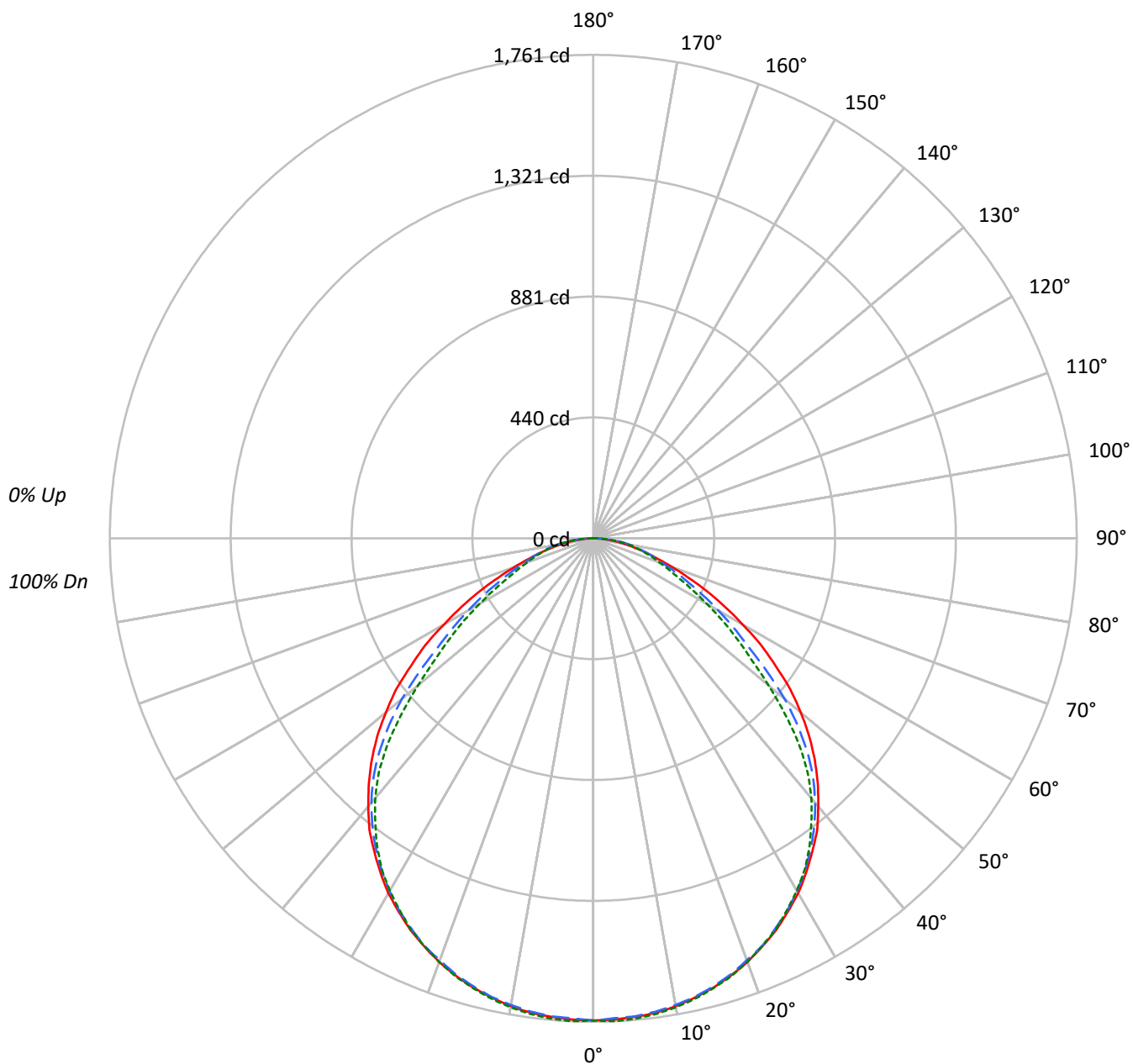
Lumens per Lamp: N/A
Luminaire Lumens: 4380.0 lumens
Efficiency: N/A
Efficacy: 125.1 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.25 / 1.34
Luminous Opening: (L: 2 ' x W: 0 ' x H: 2 '
CIE Type: Direct

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	110	105	101	98	107	103	99	96	99	96	93	95	93	90	91	89	88	86		
2	100	93	86	81	98	91	85	80	87	83	78	84	80	77	81	78	75	73		
3	92	82	75	69	90	81	74	68	78	72	67	75	70	66	73	68	64	62		
4	85	73	65	59	83	72	64	58	70	63	58	67	62	57	65	60	56	54		
5	78	66	57	51	76	65	57	51	63	56	50	61	55	50	59	54	49	47		
6	72	60	51	45	71	59	51	45	57	50	44	55	49	44	54	48	44	42		
7	67	54	46	40	66	53	45	40	52	45	39	51	44	39	49	43	39	37		
8	63	50	41	36	61	49	41	36	48	41	35	46	40	35	45	39	35	33		
9	59	46	38	32	57	45	37	32	44	37	32	43	36	32	42	36	32	30		
10	55	42	34	29	54	42	34	29	41	34	29	40	33	29	39	33	29	27		

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°	166.5	3.8
10°-20°	477.9	10.9
20°-30°	723.9	16.5
30°-40°	862.6	19.7
40°-50°	843.5	19.3
50°-60°	638.0	14.6
60°-70°	392.0	8.9
70°-80°	208.8	4.8
80°-90°	66.6	1.5
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°	1368.4	31.2
0°-40°	2231.0	50.9
0°-60°	3712.5	84.8
0°-90°	4380.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4380.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1756	1756	1756	1756	1756	
5°	1750	1752	1748	1754	1756	166
15°	1694	1696	1690	1696	1696	478
25°	1575	1573	1568	1571	1573	725
35°	1391	1389	1381	1374	1372	870
45°	1141	1134	1104	1067	1059	877
55°	810	769	689	650	639	726
65°	456	419	385	354	344	454
75°	194	197	199	192	188	208
85°	43	56	69	65	61	52
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1756.5	1756.5	1756.5	1756.5	1756.5
2.5°	1754.5	1756.5	1750.0	1758.8	1760.8
5°	1750.0	1752.2	1747.9	1754.5	1756.5
7.5°	1743.6	1743.6	1739.3	1745.6	1747.9
10°	1730.7	1730.7	1726.4	1732.7	1735.0
12.5°	1713.4	1713.4	1711.2	1715.5	1717.7
15°	1693.9	1696.0	1689.6	1696.0	1696.0
17.5°	1670.1	1668.1	1665.8	1670.1	1672.4
20°	1642.0	1642.0	1635.6	1639.9	1642.0
22.5°	1609.5	1609.5	1607.5	1609.5	1607.5
25°	1575.1	1572.8	1568.5	1570.8	1572.8
27.5°	1534.0	1534.0	1529.7	1529.7	1527.4
30°	1493.0	1490.7	1484.3	1480.0	1482.1
32.5°	1443.3	1441.0	1434.7	1430.4	1432.4
35°	1391.3	1389.3	1380.7	1374.1	1372.1
37.5°	1339.6	1333.1	1322.2	1313.5	1304.9
40°	1274.8	1268.2	1257.5	1238.0	1235.7
42.5°	1209.9	1203.5	1186.1	1162.5	1155.9
45°	1140.7	1134.4	1104.0	1067.2	1058.6
47.5°	1067.2	1056.6	1008.9	963.6	946.3
50°	985.3	965.8	909.6	851.3	831.8
52.5°	905.3	870.8	797.3	745.3	726.1
55°	810.2	769.2	689.3	650.3	639.4
57.5°	726.1	669.8	604.9	566.2	557.5
60°	628.8	576.8	525.1	490.4	477.5
62.5°	540.1	494.7	451.6	421.2	406.2
65°	455.9	419.2	384.7	354.3	343.6
67.5°	373.8	354.3	326.2	302.6	296.0
70°	304.6	293.7	274.5	263.6	255.0
72.5°	242.0	246.3	233.4	229.1	222.5
75°	194.4	196.7	198.7	192.3	188.0
77.5°	147.0	157.6	166.3	162.0	157.6
80°	110.2	120.9	136.1	129.7	129.7
82.5°	75.5	88.7	101.6	97.3	95.0
85°	43.3	56.3	69.2	64.9	60.6
87.5°	17.2	28.1	30.2	30.2	28.1
90°	0.0	0.0	0.0	0.0	0.0







— 0°-180° - - 45°-225° - - - 90°-270°



(END OF REPORT)