

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: P1046915

Luminaire Tested: 22PTR-50-PP3-L935-UNV-STD-W

Issue Date: 7/10/2025

Test Information

Test Method: LM-79-2019
Report Number: P1046915
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-50-PP3-L935-UNV-STD-W
Description: 5000 LUMEN 2X2 PERCEIVE PT TROFFER WITH 3500K, 90 CRI LEDS AND PRISM LENS

Light Source:
Ballast/Driver: -

Summary

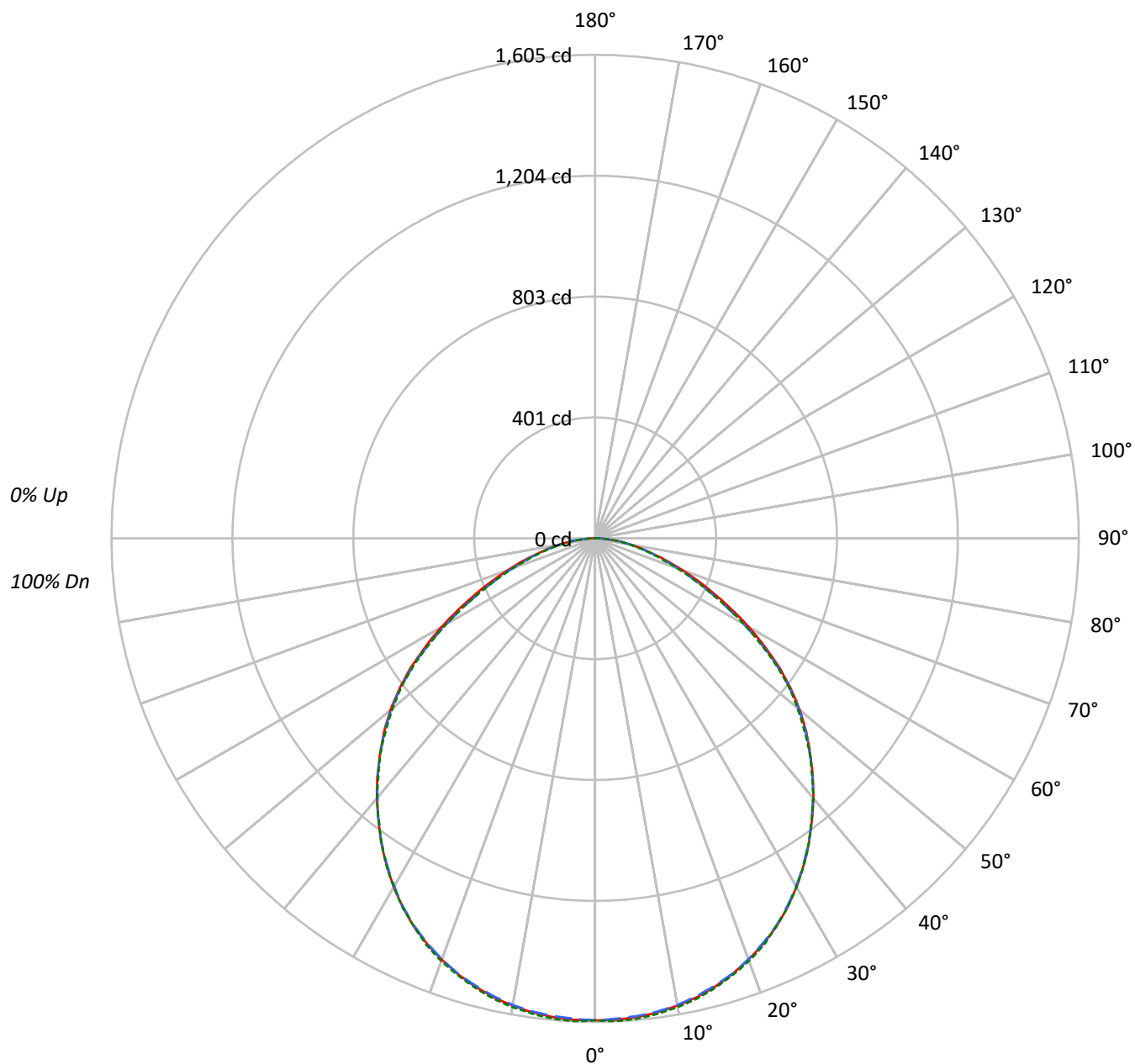
Lumens per Lamp: N/A
Luminaire Lumens: 4135.1 lumens
Efficiency: N/A
Efficacy: 106.0 lumens/watt
Spacing Criteria (0/90/45): 1.24 / 1.24 / 1.34
Luminous Opening: (L: 2 ' x W: 0 ' x H: 2 '
CIE Type: Direct

Input Watts (W): 39
Input Voltage (V): 120
Input Current (A_{in}): 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°	151.8	3.7
10°-20°	434.8	10.5
20°-30°	654.6	15.8
30°-40°	772.6	18.7
40°-50°	777.0	18.8
50°-60°	656.0	15.9
60°-70°	421.3	10.2
70°-80°	209.5	5.1
80°-90°	57.4	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°	1241.2	30.0
0°-40°	2013.8	48.7
0°-60°	3446.9	83.4
0°-90°	4135.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4135.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1600	1600	1600	1600	1600	
5°	1596	1596	1592	1600	1601	152
15°	1540	1540	1537	1544	1544	434
25°	1423	1423	1420	1423	1422	655
35°	1237	1237	1235	1236	1236	773
45°	1009	1013	1006	1007	1007	779
55°	745	744	736	733	734	662
65°	437	431	415	411	415	436
75°	200	199	193	191	189	217
85°	49	51	51	48	48	58
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1600.4	1600.4	1600.4	1600.4	1600.4
2.5°	1599.8	1600.4	1596.2	1603.8	1605.1
5°	1595.8	1596.2	1592.2	1599.8	1600.8
7.5°	1587.6	1588.2	1584.6	1591.6	1592.8
10°	1575.3	1577.2	1573.0	1579.5	1580.6
12.5°	1560.3	1561.0	1556.7	1564.3	1565.6
15°	1540.1	1540.5	1537.1	1544.1	1544.1
17.5°	1516.6	1517.3	1514.9	1520.8	1520.2
20°	1488.3	1490.0	1487.1	1491.1	1493.4
22.5°	1457.5	1458.2	1454.6	1459.8	1462.2
25°	1422.7	1423.1	1420.4	1423.1	1422.1
27.5°	1382.0	1383.0	1379.0	1382.0	1382.6
30°	1336.6	1339.5	1333.8	1336.2	1336.6
32.5°	1287.8	1289.5	1285.5	1286.1	1289.1
35°	1236.7	1237.4	1235.0	1236.1	1236.1
37.5°	1181.6	1184.0	1180.4	1182.1	1179.7
40°	1127.0	1124.6	1123.4	1124.6	1126.3
42.5°	1069.3	1070.0	1068.3	1067.0	1064.3
45°	1009.0	1012.6	1006.0	1007.3	1007.3
47.5°	949.9	950.3	946.9	943.3	941.0
50°	886.5	886.5	882.3	879.6	876.0
52.5°	817.3	816.3	811.6	808.7	810.3
55°	744.7	744.1	736.0	733.1	733.7
57.5°	665.1	666.4	654.1	651.2	651.2
60°	589.1	583.2	569.3	565.3	570.3
62.5°	509.3	502.4	487.4	487.4	491.4
65°	437.4	431.0	415.4	411.2	414.8
67.5°	370.0	364.1	349.8	347.4	348.5
70°	306.1	301.0	292.1	286.9	288.8
72.5°	251.0	246.3	240.4	236.4	234.1
75°	200.3	199.3	192.9	191.0	188.7
77.5°	158.5	158.1	152.8	150.5	148.2
80°	119.1	118.4	117.4	113.8	112.1
82.5°	84.9	84.9	84.2	81.3	79.6
85°	49.4	51.1	51.1	48.1	48.1
87.5°	19.8	20.9	19.8	19.8	19.2
90°	0.0	0.0	0.0	0.0	0.0





— 0°-180° - - 45°-225° - - - 90°-270°





(END OF REPORT)