

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: P1046919

Luminaire Tested: 22PTR-45-PP3-L940-UNV-STD-W

Issue Date: 7/10/2025

Test Information

Test Method: LM-79-2019
Report Number: P1046919
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-L940-UNV-STD-W
Description: 4500 LUMEN 2X2 PERCEIVE PT TROFFER WITH 4000K, 90 CRI LEDS AND PRISM LENS

Light Source:
Ballast/Driver: -

Summary

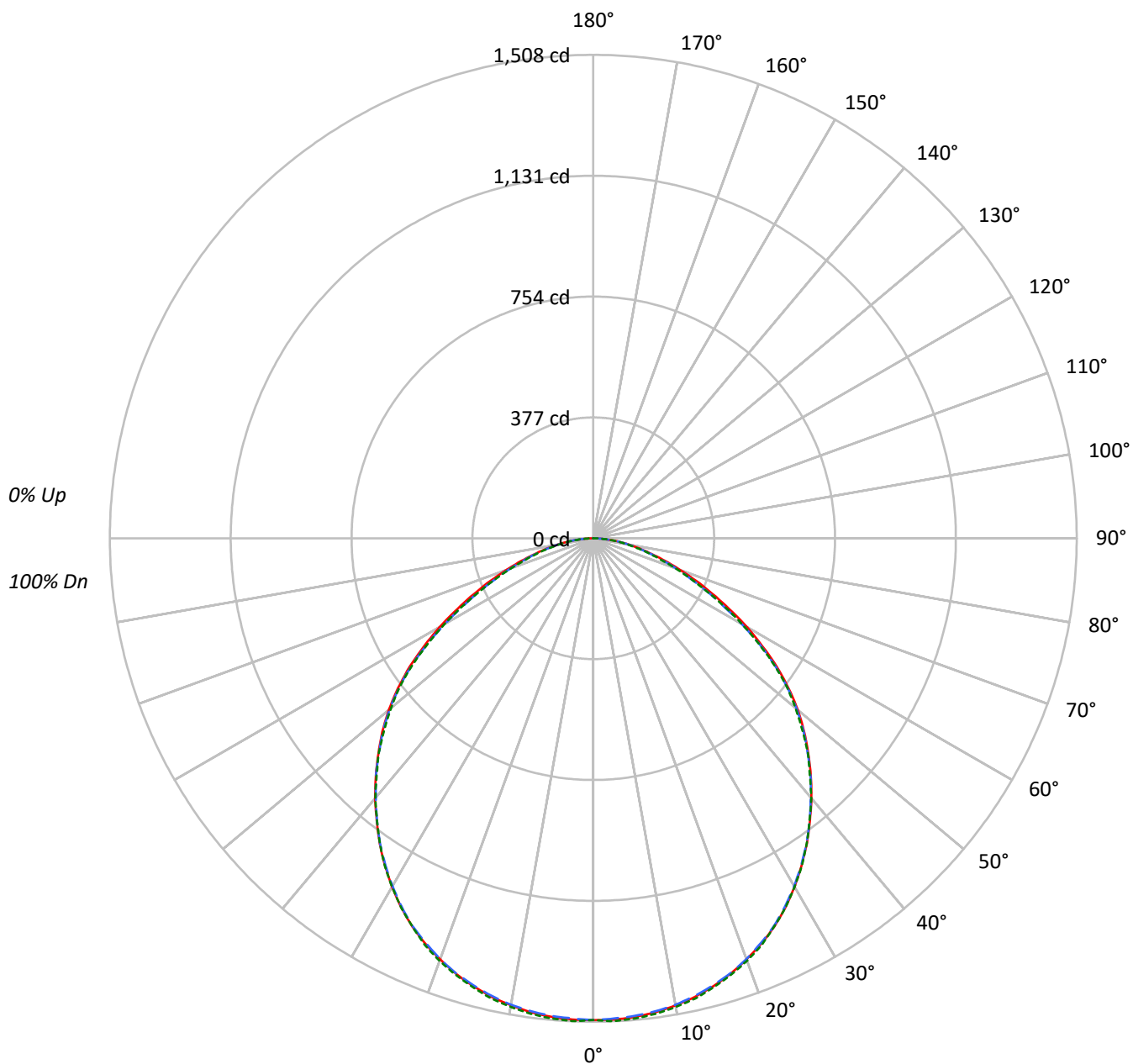
Lumens per Lamp: N/A
Luminaire Lumens: 3883.9 lumens
Efficiency: N/A
Efficacy: 111.0 lumens/watt
Spacing Criteria (0/90/45): 1.24 / 1.24 / 1.34
Luminous Opening: (L: 2 ' x W: 0 ' x H: 2 '
CIE Type: Direct

Input Watts (W): 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°	142.6	3.7
10°-20°	408.4	10.5
20°-30°	614.9	15.8
30°-40°	725.7	18.7
40°-50°	729.8	18.8
50°-60°	616.1	15.9
60°-70°	395.7	10.2
70°-80°	196.8	5.1
80°-90°	53.9	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°	1165.8	30.0
0°-40°	1891.5	48.7
0°-60°	3237.5	83.4
0°-90°	3883.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3883.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1503	1503	1503	1503	1503	
5°	1499	1499	1496	1503	1504	142
15°	1446	1447	1444	1450	1450	408
25°	1336	1337	1334	1337	1336	615
35°	1162	1162	1160	1161	1161	726
45°	948	951	945	946	946	731
55°	700	699	691	689	689	622
65°	411	405	390	386	390	410
75°	188	187	181	179	177	204
85°	46	48	48	45	45	55
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1503.2	1503.2	1503.2	1503.2	1503.2
2.5°	1502.6	1503.2	1499.2	1506.4	1507.6
5°	1498.8	1499.2	1495.5	1502.6	1503.6
7.5°	1491.1	1491.7	1488.3	1494.9	1496.1
10°	1479.6	1481.4	1477.4	1483.6	1484.6
12.5°	1465.5	1466.1	1462.2	1469.3	1470.5
15°	1446.5	1446.9	1443.7	1450.3	1450.3
17.5°	1424.5	1425.1	1422.9	1428.4	1427.9
20°	1397.9	1399.5	1396.7	1400.5	1402.7
22.5°	1369.0	1369.6	1366.2	1371.2	1373.3
25°	1336.3	1336.7	1334.1	1336.7	1335.7
27.5°	1298.0	1299.0	1295.2	1298.0	1298.6
30°	1255.4	1258.1	1252.8	1255.0	1255.4
32.5°	1209.6	1211.2	1207.4	1208.0	1210.8
35°	1161.6	1162.2	1160.0	1161.0	1161.0
37.5°	1109.8	1112.0	1108.7	1110.2	1108.1
40°	1058.5	1056.3	1055.1	1056.3	1057.9
42.5°	1004.4	1005.0	1003.4	1002.2	999.6
45°	947.7	951.0	944.9	946.1	946.1
47.5°	892.2	892.6	889.4	886.0	883.8
50°	832.7	832.7	828.7	826.1	822.8
52.5°	767.7	766.7	762.3	759.5	761.1
55°	699.5	698.9	691.3	688.6	689.1
57.5°	624.7	625.9	614.4	611.6	611.6
60°	553.3	547.8	534.7	530.9	535.7
62.5°	478.4	471.9	457.8	457.8	461.5
65°	410.8	404.8	390.2	386.2	389.6
67.5°	347.5	342.0	328.5	326.3	327.3
70°	287.5	282.7	274.4	269.4	271.2
72.5°	235.7	231.4	225.8	222.0	219.9
75°	188.1	187.2	181.2	179.4	177.2
77.5°	148.9	148.5	143.5	141.4	139.2
80°	111.8	111.2	110.2	106.9	105.3
82.5°	79.7	79.7	79.1	76.3	74.7
85°	46.4	48.0	48.0	45.2	45.2
87.5°	18.6	19.6	18.6	18.6	18.0
90°	0.0	0.0	0.0	0.0	0.0







— 0°-180° - - 45°-225° - - - 90°-270°



(END OF REPORT)