

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: P1046961

Luminaire Tested: 22PTR-45-PR1-L940-UNV-STD-W

Issue Date: 7/10/2025

Test Information

Test Method: LM-79-2019
Report Number: P1046961
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P737735)
Test Lab: INNOVATION CENTER
Issue Date: 7/10/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: 22PTR-45-PR1-L940-UNV-STD-W
Description: 4500 LUMEN 2X2 PERCEIVE PT TROFFER WITH 4000K, 90 CRI LEDS AND RIPPLE LENS

Light Source:
Ballast/Driver: -

Summary

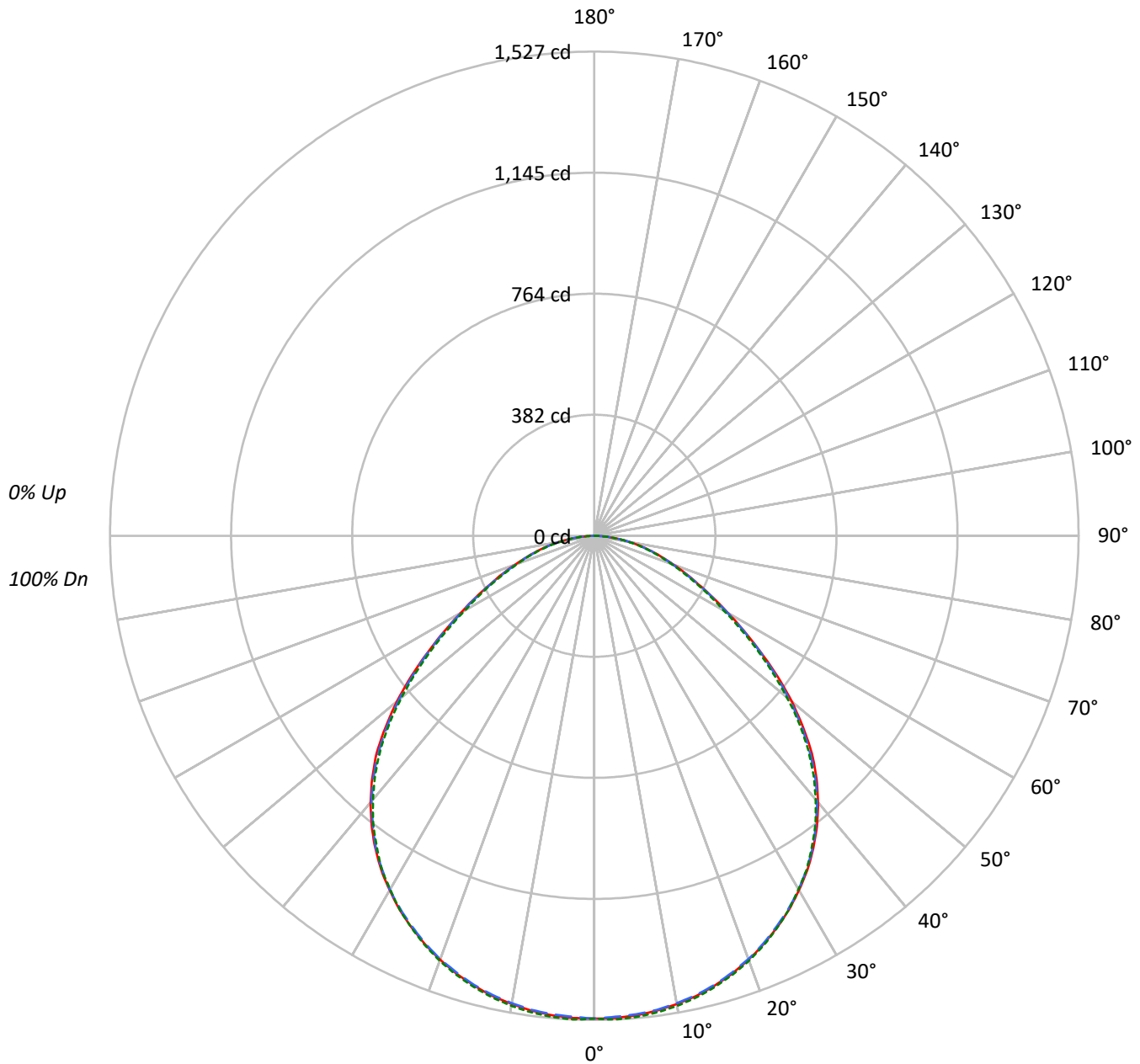
Lumens per Lamp: N/A
Luminaire Lumens: 3850.9 lumens
Efficiency: N/A
Efficacy: 110.0 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.26 / 1.34
Luminous Opening: (L: 2 ' x W: 0 ' x H: 2 '
CIE Type: Direct

Input Watts (W): 35
Input Voltage (V): 120
Input Current (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	110	105	101	98	107	103	99	96	99	96	93	95	92	90	91	89	88	85		
2	100	93	86	81	98	91	85	80	87	82	78	84	80	76	81	78	75	73		
3	92	82	74	68	90	80	73	68	78	71	66	75	70	65	72	68	64	62		
4	85	73	65	58	82	72	64	58	69	63	57	67	61	56	65	60	56	54		
5	78	66	57	51	76	65	56	50	62	55	50	61	54	49	59	53	49	47		
6	72	59	51	45	70	58	50	44	57	49	44	55	49	44	53	48	43	41		
7	67	54	45	40	65	53	45	39	52	44	39	50	44	39	49	43	39	37		
8	62	49	41	35	61	49	41	35	47	40	35	46	40	35	45	39	35	33		
9	58	45	37	32	57	45	37	32	44	37	32	43	36	32	42	36	31	30		
10	55	42	34	29	54	41	34	29	40	34	29	39	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°	144.4	3.8
10°-20°	414.6	10.8
20°-30°	628.1	16.3
30°-40°	749.8	19.5
40°-50°	737.3	19.1
50°-60°	569.9	14.8
60°-70°	359.4	9.3
70°-80°	194.4	5.0
80°-90°	53.1	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°	1187.1	30.8
0°-40°	1936.8	50.3
0°-60°	3244.1	84.2
0°-90°	3850.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3850.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1523	1523	1523	1523	1523	
5°	1518	1519	1515	1522	1523	144
15°	1468	1469	1466	1471	1473	414
25°	1363	1364	1360	1364	1364	628
35°	1204	1204	1201	1200	1196	752
45°	971	967	960	952	953	743
55°	641	647	638	628	626	575
65°	362	362	360	354	353	364
75°	186	184	182	183	178	198
85°	45	46	45	45	43	54
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1522.7	1522.7	1522.7	1522.7	1522.7
2.5°	1522.1	1522.7	1518.3	1525.5	1527.1
5°	1518.3	1518.9	1515.0	1521.5	1523.3
7.5°	1510.6	1511.8	1508.0	1514.6	1516.2
10°	1499.7	1500.9	1497.1	1503.7	1505.3
12.5°	1486.2	1486.6	1483.4	1489.4	1491.0
15°	1468.2	1468.6	1466.0	1470.8	1472.9
17.5°	1447.4	1447.9	1444.2	1450.1	1451.1
20°	1422.4	1422.8	1420.6	1425.5	1426.1
22.5°	1394.4	1395.6	1392.2	1396.6	1397.2
25°	1362.9	1363.9	1359.5	1363.9	1364.5
27.5°	1329.6	1330.0	1326.2	1329.6	1329.0
30°	1290.7	1294.1	1289.1	1287.9	1287.5
32.5°	1250.4	1250.8	1246.1	1244.9	1247.1
35°	1204.0	1204.4	1201.3	1199.7	1196.3
37.5°	1153.3	1153.3	1147.1	1146.1	1145.5
40°	1097.6	1097.0	1093.2	1089.4	1085.5
42.5°	1036.9	1038.1	1030.3	1023.8	1022.8
45°	970.9	967.1	959.9	952.4	953.0
47.5°	892.9	893.9	884.2	878.0	876.5
50°	812.0	812.0	802.9	796.4	793.0
52.5°	727.5	728.1	719.4	710.7	708.9
55°	641.3	646.6	638.5	628.2	626.0
57.5°	560.6	564.9	557.2	546.3	545.7
60°	485.8	486.2	484.0	473.7	470.9
62.5°	422.0	419.2	418.0	412.7	409.3
65°	361.9	362.5	359.7	353.6	352.6
67.5°	313.3	312.7	307.8	304.0	301.8
70°	265.7	264.1	261.9	258.8	256.6
72.5°	223.3	223.3	221.5	220.5	216.7
75°	186.2	184.0	181.8	182.8	178.5
77.5°	150.7	148.5	146.7	144.6	143.6
80°	114.0	111.8	112.4	109.1	108.7
82.5°	79.1	79.1	78.1	75.4	75.9
85°	45.2	45.8	44.8	45.2	43.0
87.5°	16.5	16.9	18.0	16.9	16.9
90°	0.0	0.0	0.0	0.0	0.0







— 0°-180° - - 45°-225° - - - 90°-270°





(END OF REPORT)