

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: P1046802

Luminaire Tested: 22PTR-35-PC3-L940-UNV-STD-W

Issue Date: 7/10/2025

Test Information

Test Method: LM-79-2019
Report Number: P1046802
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P737711)
Test Lab: INNOVATION CENTER
Issue Date: 7/10/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: 22PTR-35-PC3-L940-UNV-STD-W
Description: 3500 LUMEN 2X2 PERCEIVE PT TROFFER WITH 4000K, 90 CRI LEDS AND PARAMID LENS

Light Source:
Ballast/Driver: -

Summary

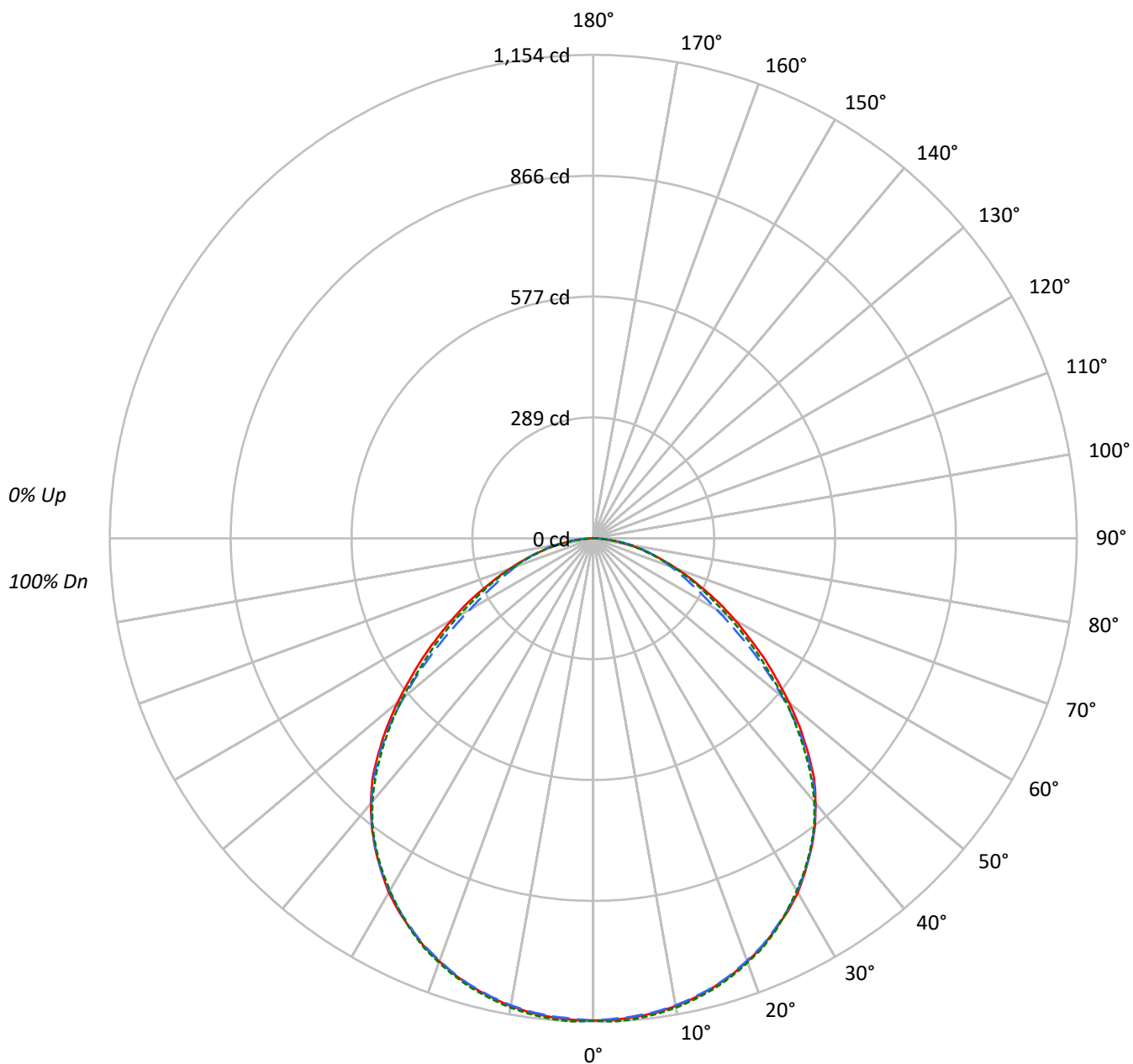
Lumens per Lamp: N/A
Luminaire Lumens: 2902.2 lumens
Efficiency: N/A
Efficacy: 111.6 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.25 / 1.34
Luminous Opening: (L: 2 ' x W: 0 ' x H: 2 '
CIE Type: Direct

Input Watts (W): 26
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	87	85		
2	100	93	86	81	98	91	85	80	87	82	78	84	80	76	81	78	75	72		
3	92	82	74	68	90	80	73	68	77	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	46	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	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°	109.2	3.8
10°-20°	313.4	10.8
20°-30°	474.5	16.3
30°-40°	565.7	19.5
40°-50°	552.8	19.0
50°-60°	422.7	14.6
60°-70°	271.4	9.4
70°-80°	151.0	5.2
80°-90°	41.7	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°	897.1	30.9
0°-40°	1462.8	50.4
0°-60°	2438.2	84.0
0°-90°	2902.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2902.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1151	1151	1151	1151	1151	
5°	1147	1148	1145	1150	1152	109
15°	1110	1110	1108	1112	1113	313
25°	1029	1031	1028	1031	1032	475
35°	907	908	906	905	904	566
45°	725	726	719	718	712	558
55°	496	479	456	462	477	444
65°	295	272	257	265	283	294
75°	142	143	144	142	139	151
85°	31	36	37	36	31	38
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1151.2	1151.2	1151.2	1151.2	1151.2
2.5°	1150.4	1150.9	1147.9	1152.8	1154.5
5°	1147.1	1147.9	1145.0	1150.4	1151.6
7.5°	1142.2	1142.9	1140.1	1145.5	1145.9
10°	1134.0	1134.4	1131.9	1137.3	1138.0
12.5°	1122.9	1124.1	1121.2	1126.2	1126.5
15°	1109.6	1110.5	1108.4	1112.1	1113.3
17.5°	1094.0	1094.5	1092.4	1096.4	1096.9
20°	1074.6	1074.6	1072.9	1077.6	1077.6
22.5°	1054.8	1053.6	1053.2	1054.8	1057.4
25°	1029.4	1030.6	1027.7	1031.0	1031.8
27.5°	1004.7	1004.7	1002.2	1003.8	1001.7
30°	976.3	974.6	973.0	973.3	971.3
32.5°	942.0	942.0	941.3	941.3	938.7
35°	906.7	907.5	905.8	905.4	904.2
37.5°	868.7	870.1	867.1	866.3	865.4
40°	825.5	825.5	824.3	822.6	820.6
42.5°	780.6	780.6	775.4	771.2	768.3
45°	724.7	726.3	719.3	717.6	711.9
47.5°	669.0	667.8	658.4	657.2	653.9
50°	609.8	602.7	589.3	592.9	595.9
52.5°	550.5	541.8	522.1	526.1	531.1
55°	496.5	479.3	456.3	462.0	476.8
57.5°	440.1	417.1	394.0	404.8	423.2
60°	390.3	364.4	339.3	350.8	372.2
62.5°	342.6	315.1	294.9	305.9	324.0
65°	294.9	272.1	256.6	265.1	282.9
67.5°	251.2	235.9	225.3	229.3	243.7
70°	211.7	202.1	196.4	197.6	205.8
72.5°	174.1	171.7	169.6	169.6	170.4
75°	141.7	142.9	144.1	142.1	138.8
77.5°	111.6	115.6	118.6	114.4	110.4
80°	82.0	88.6	92.3	87.7	81.5
82.5°	56.0	63.4	64.6	61.8	54.8
85°	30.8	36.2	36.7	35.5	30.8
87.5°	11.5	13.6	14.8	13.6	12.0
90°	0.0	0.0	0.0	0.0	0.0







— 0°-180° - - 45°-225° - - - 90°-270°







(END OF REPORT)