

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: P1046760

Luminaire Tested: 22PTR-35-PB1-L940-UNV-STD-W

Issue Date: 7/10/2025

Test Information

Test Method: LM-79-2019
Report Number: P1046760
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-35-PB1-L940-UNV-STD-W
Description: 3500 LUMEN 2X2 PERCEIVE PT TROFFER WITH 4000K, 90 CRI LEDS AND BEVEL LENS

Light Source:
Ballast/Driver: -

Summary

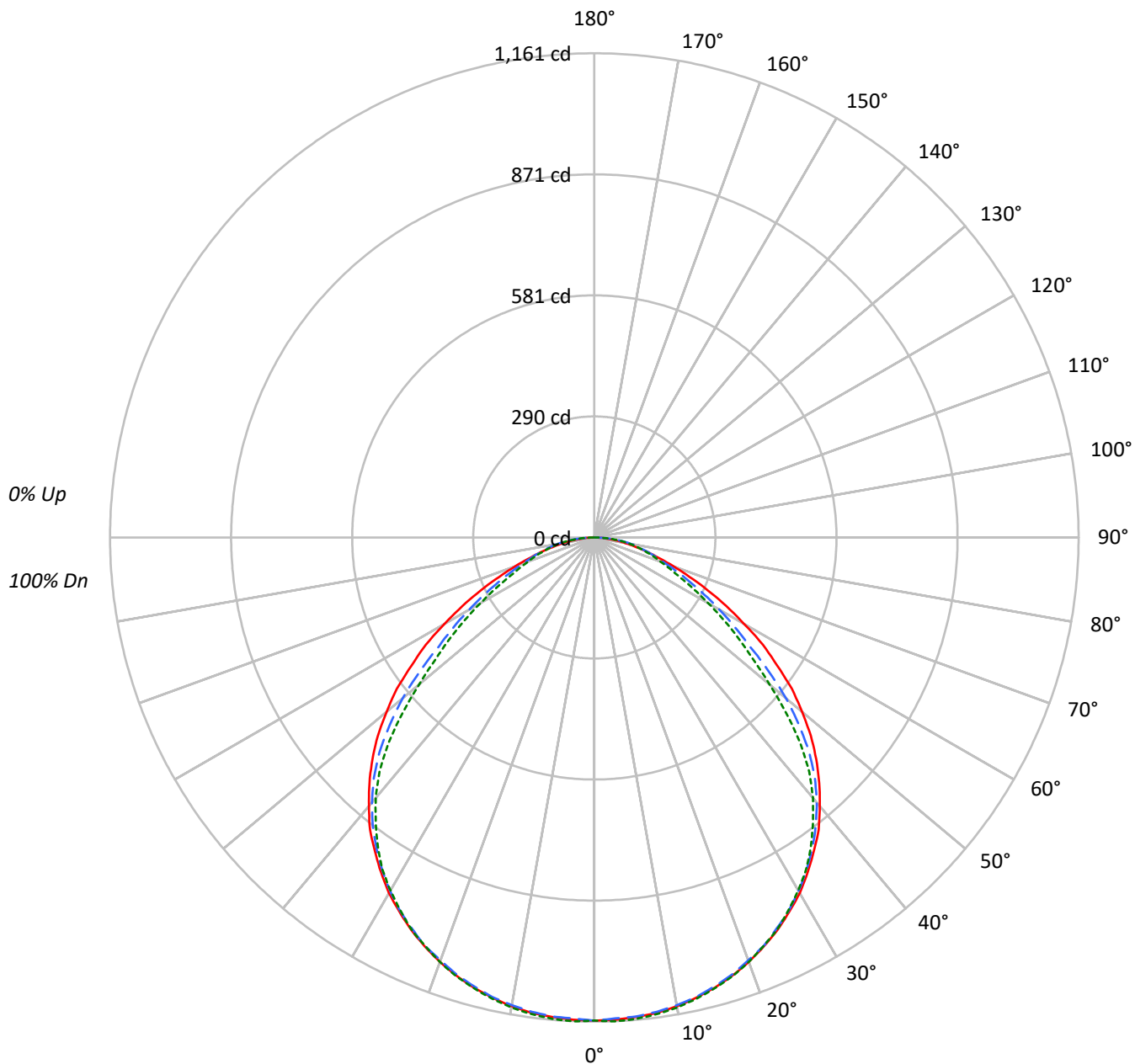
Lumens per Lamp: N/A
Luminaire Lumens: 2889.0 lumens
Efficiency: N/A
Efficacy: 111.1 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.25 / 1.34
Luminous Opening: (L: 2 ' x W: 0 ' x H: 2 '
CIE Type: Direct

Input Watts (W): 26
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°	109.9	3.8
10°-20°	315.2	10.9
20°-30°	477.5	16.5
30°-40°	569.0	19.7
40°-50°	556.4	19.3
50°-60°	420.8	14.6
60°-70°	258.6	8.9
70°-80°	137.7	4.8
80°-90°	44.0	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°	902.6	31.2
0°-40°	1471.5	50.9
0°-60°	2448.7	84.8
0°-90°	2889.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2889.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1159	1159	1159	1159	1159	
5°	1154	1156	1153	1157	1159	110
15°	1117	1119	1114	1119	1119	315
25°	1039	1037	1035	1036	1037	478
35°	918	916	911	906	905	574
45°	752	748	728	704	698	579
55°	534	507	455	429	422	479
65°	301	276	254	234	227	299
75°	128	130	131	127	124	137
85°	29	37	46	43	40	34
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1158.6	1158.6	1158.6	1158.6	1158.6
2.5°	1157.2	1158.6	1154.3	1160.1	1161.4
5°	1154.3	1155.7	1152.9	1157.2	1158.6
7.5°	1150.1	1150.1	1147.2	1151.4	1152.9
10°	1141.5	1141.5	1138.7	1142.9	1144.4
12.5°	1130.2	1130.2	1128.7	1131.5	1133.0
15°	1117.3	1118.6	1114.5	1118.6	1118.6
17.5°	1101.6	1100.2	1098.7	1101.6	1103.1
20°	1083.0	1083.0	1078.8	1081.7	1083.0
22.5°	1061.6	1061.6	1060.3	1061.6	1060.3
25°	1038.9	1037.4	1034.6	1036.1	1037.4
27.5°	1011.8	1011.8	1009.0	1009.0	1007.5
30°	984.7	983.2	979.1	976.2	977.6
32.5°	952.0	950.5	946.3	943.4	944.8
35°	917.7	916.4	910.7	906.3	905.0
37.5°	883.6	879.3	872.1	866.4	860.7
40°	840.8	836.5	829.4	816.6	815.1
42.5°	798.0	793.8	782.3	766.8	762.4
45°	752.4	748.2	728.2	703.9	698.2
47.5°	703.9	696.9	665.5	635.5	624.2
50°	649.9	637.0	599.9	561.5	548.6
52.5°	597.1	574.4	525.9	491.6	478.9
55°	534.4	507.3	454.7	428.9	421.8
57.5°	478.9	441.8	399.0	373.4	367.7
60°	414.7	380.5	346.4	323.5	314.9
62.5°	356.2	326.3	297.9	277.8	268.0
65°	300.7	276.5	253.7	233.7	226.7
67.5°	246.6	233.7	215.1	199.6	195.2
70°	200.9	193.7	181.0	173.8	168.2
72.5°	159.6	162.5	153.9	151.1	146.8
75°	128.2	129.7	131.1	126.9	124.0
77.5°	96.9	104.0	109.7	106.8	104.0
80°	72.7	79.7	89.8	85.6	85.6
82.5°	49.8	58.5	67.0	64.2	62.7
85°	28.6	37.1	45.6	42.8	39.9
87.5°	11.4	18.6	19.9	19.9	18.6
90°	0.0	0.0	0.0	0.0	0.0







— 0°-180° - - 45°-225° - - - 90°-270°



(END OF REPORT)