

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: P1047012

Luminaire Tested: 22PTR-35-PW1-L940-UNV-STD-W

Issue Date: 7/10/2025

Test Information

Test Method: LM-79-2019
Report Number: P1047012
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P737743)
Test Lab: INNOVATION CENTER
Issue Date: 7/10/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: 22PTR-35-PW1-L940-UNV-STD-W
Description: 3500 LUMEN 2X2 PERCEIVE PT TROFFER WITH 4000K, 90 CRI LEDS AND WAVES LENS

Light Source:
Ballast/Driver: -

Summary

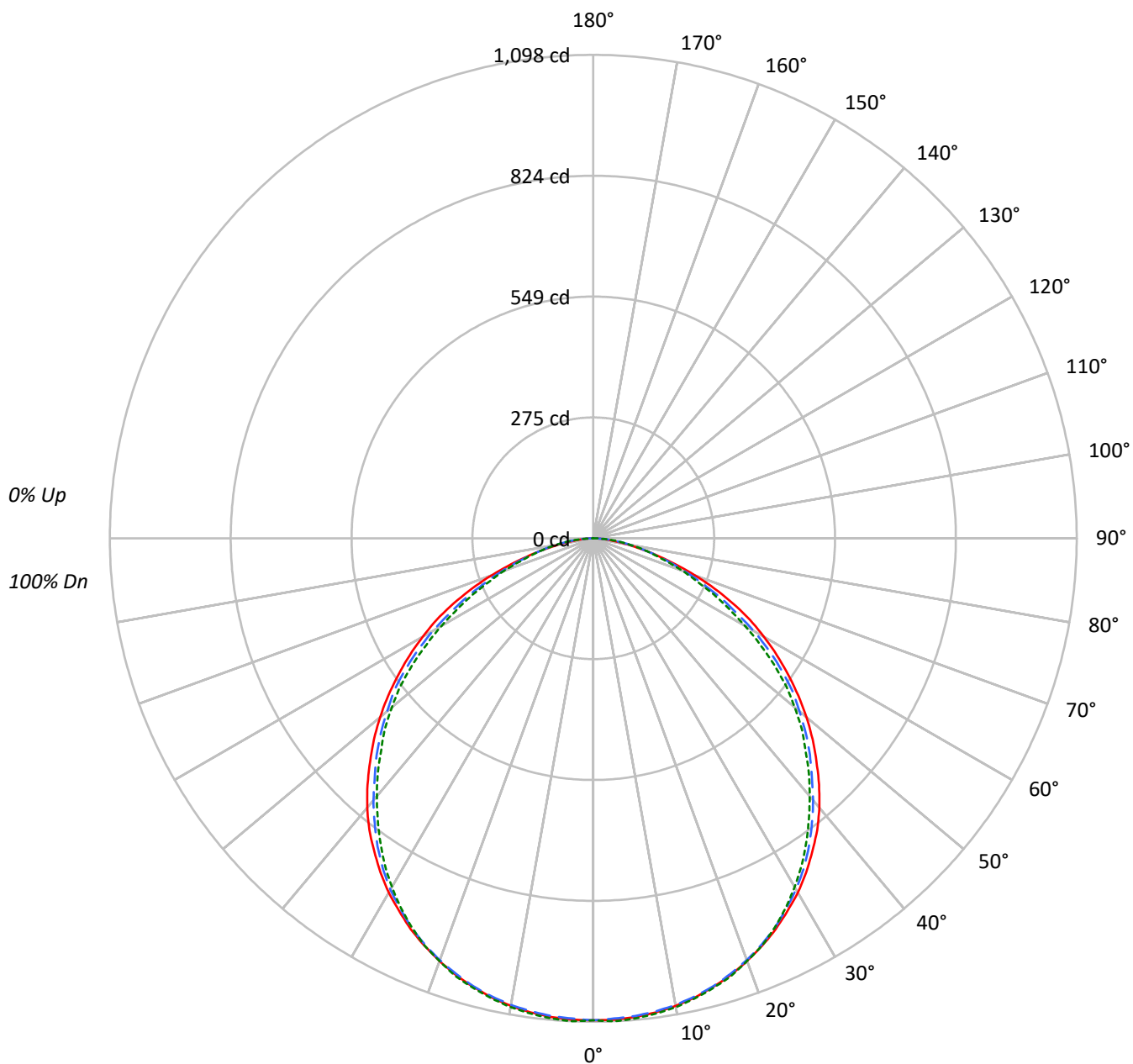
Lumens per Lamp: N/A
Luminaire Lumens: 2905.2 lumens
Efficiency: N/A
Efficacy: 111.7 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.24 / 1.34
Luminous Opening: (L: 2 ' x W: 0 ' x H: 2 '
CIE Type: Direct

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

TEST NUMBER: P1047012

CATALOG NUMBER: 22PTR-35-PW1-L940-UNV-STD-W

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	95	98	95	92	94	92	90	91	89	87	85		
2	100	92	85	80	97	90	84	79	86	81	77	83	79	75	80	77	74	71		
3	91	81	73	67	89	79	72	66	76	70	65	74	68	64	71	67	63	61		
4	84	72	63	57	81	71	63	57	68	61	56	66	60	55	64	59	54	52		
5	77	64	56	49	75	63	55	49	61	54	48	59	53	48	57	52	47	45		
6	71	58	49	43	69	57	49	43	55	48	42	54	47	42	52	46	42	40		
7	66	53	44	38	64	52	44	38	50	43	38	49	42	37	48	42	37	35		
8	62	48	40	34	60	47	40	34	46	39	34	45	38	34	44	38	33	31		
9	58	44	36	31	56	44	36	31	43	35	30	41	35	30	40	34	30	28		
10	54	41	33	28	53	40	33	28	39	32	28	38	32	28	38	32	27	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: -

TEST NUMBER: P1047012

CATALOG NUMBER: 22PTR-35-PW1-L940-UNV-STD-W

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	103.8	3.6
10°-20°	297.8	10.2
20°-30°	450.0	15.5
30°-40°	534.4	18.4
40°-50°	538.4	18.5
50°-60°	465.4	16.0
60°-70°	318.1	10.9
70°-80°	156.8	5.4
80°-90°	40.6	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°	851.6	29.3
0°-40°	1386.0	47.7
0°-60°	2389.7	82.3
0°-90°	2905.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2905.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1095	1095	1095	1095	1095	
5°	1092	1092	1089	1094	1095	104
15°	1055	1056	1053	1057	1057	298
25°	980	979	976	977	975	451
35°	867	864	854	846	843	543
45°	717	709	696	688	681	553
55°	540	539	522	507	501	483
65°	349	337	317	303	301	345
75°	148	147	145	145	141	161
85°	28	33	36	37	36	34
90°	0	0	0	0	0	

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CATALOG NUMBER: 22PTR-35-PW1-L940-UNV-STD-W

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1094.7	1094.7	1094.7	1094.7	1094.7
2.5°	1094.4	1094.7	1091.9	1096.8	1098.0
5°	1091.5	1091.9	1089.1	1093.5	1094.7
7.5°	1086.3	1087.0	1083.8	1088.2	1089.1
10°	1078.5	1078.9	1076.1	1080.6	1081.4
12.5°	1068.0	1068.3	1066.0	1069.9	1069.9
15°	1054.6	1055.8	1053.0	1056.7	1057.0
17.5°	1039.6	1040.0	1037.2	1041.2	1042.1
20°	1021.7	1021.7	1019.4	1022.6	1021.7
22.5°	1001.8	1001.8	999.0	1000.7	1001.4
25°	980.0	979.2	975.9	976.8	975.2
27.5°	954.8	954.8	949.1	949.1	946.3
30°	929.3	927.3	921.2	917.5	914.7
32.5°	900.0	897.2	889.5	883.0	881.0
35°	867.3	864.3	854.2	846.5	843.3
37.5°	835.6	829.1	815.7	808.0	804.3
40°	798.6	790.5	776.8	766.2	764.5
42.5°	758.9	752.5	734.6	726.8	724.9
45°	716.8	709.0	695.6	687.5	681.4
47.5°	675.4	669.6	654.3	644.6	642.5
50°	631.9	627.0	611.3	600.8	597.1
52.5°	586.9	583.7	570.3	556.9	552.4
55°	540.4	538.7	522.1	506.6	501.3
57.5°	494.5	492.4	471.7	453.8	449.0
60°	446.6	440.6	420.2	403.6	398.3
62.5°	401.2	388.2	366.3	353.3	347.3
65°	349.2	336.7	317.2	303.3	301.4
67.5°	298.2	283.1	268.1	259.6	253.1
70°	245.0	234.8	223.5	216.2	215.1
72.5°	195.4	188.2	182.5	178.1	174.4
75°	148.0	146.8	144.7	144.7	140.8
77.5°	108.8	111.6	113.2	112.8	113.6
80°	75.5	81.1	84.3	84.8	84.3
82.5°	47.9	54.4	59.7	60.4	61.3
85°	28.0	32.9	36.1	36.8	36.1
87.5°	12.5	15.8	16.7	17.4	16.7
90°	0.0	0.0	0.0	0.0	0.0





— 0°-180° - - 45°-225° - - - 90°-270°



(END OF REPORT)