

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: P1046924

Luminaire Tested: 22PTR-35-PP3-L840-UNV-STD-W

Issue Date: 7/10/2025

Test Information

Test Method: LM-79-2019
Report Number: P1046924
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-35-PP3-L840-UNV-STD-W
Description: 3500 LUMEN 2X2 PERCEIVE PT TROFFER WITH 4000K, 80 CRI LEDS AND PRISM LENS

Light Source:
Ballast/Driver: -

Summary

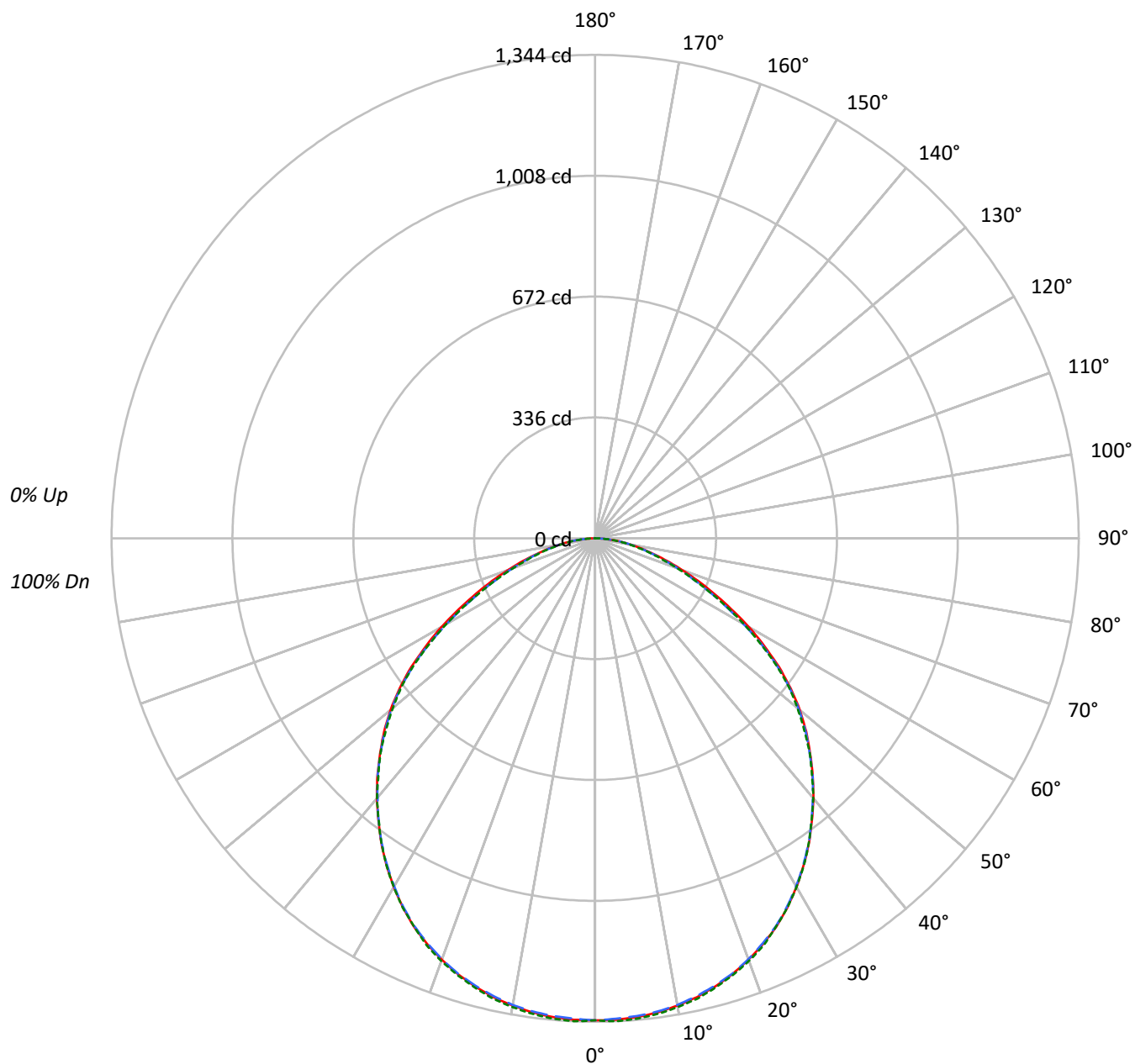
Lumens per Lamp: N/A
Luminaire Lumens: 3462.9 lumens
Efficiency: N/A
Efficacy: 133.2 lumens/watt
Spacing Criteria (0/90/45): 1.24 / 1.24 / 1.34
Luminous Opening: (L: 2 ' x W: 0 ' x H: 2 '
CIE Type: Direct

Input Watts (W): 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	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°	127.1	3.7
10°-20°	364.1	10.5
20°-30°	548.2	15.8
30°-40°	647.0	18.7
40°-50°	650.7	18.8
50°-60°	549.4	15.9
60°-70°	352.8	10.2
70°-80°	175.5	5.1
80°-90°	48.1	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°	1039.4	30.0
0°-40°	1686.5	48.7
0°-60°	2886.5	83.4
0°-90°	3462.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3462.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1340	1340	1340	1340	1340	
5°	1336	1337	1333	1340	1341	127
15°	1290	1290	1287	1293	1293	364
25°	1191	1192	1190	1192	1191	548
35°	1036	1036	1034	1035	1035	647
45°	845	848	842	844	844	652
55°	624	623	616	614	614	555
65°	366	361	348	344	347	365
75°	168	167	162	160	158	182
85°	41	43	43	40	40	49
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1340.3	1340.3	1340.3	1340.3	1340.3
2.5°	1339.7	1340.3	1336.7	1343.1	1344.1
5°	1336.4	1336.7	1333.4	1339.7	1340.6
7.5°	1329.5	1330.0	1327.0	1332.8	1333.9
10°	1319.2	1320.8	1317.3	1322.8	1323.6
12.5°	1306.7	1307.2	1303.7	1310.0	1311.1
15°	1289.7	1290.1	1287.2	1293.1	1293.1
17.5°	1270.1	1270.6	1268.7	1273.6	1273.1
20°	1246.4	1247.8	1245.3	1248.7	1250.6
22.5°	1220.6	1221.1	1218.1	1222.5	1224.5
25°	1191.4	1191.8	1189.5	1191.8	1190.9
27.5°	1157.3	1158.2	1154.8	1157.3	1157.8
30°	1119.3	1121.8	1117.0	1118.9	1119.3
32.5°	1078.5	1079.9	1076.5	1077.1	1079.5
35°	1035.7	1036.2	1034.3	1035.2	1035.2
37.5°	989.6	991.5	988.5	989.9	988.0
40°	943.8	941.8	940.8	941.8	943.2
42.5°	895.5	896.0	894.6	893.6	891.3
45°	845.0	848.0	842.5	843.5	843.5
47.5°	795.5	795.8	793.0	790.0	788.0
50°	742.4	742.4	738.9	736.6	733.6
52.5°	684.4	683.6	679.7	677.2	678.6
55°	623.6	623.1	616.4	613.9	614.4
57.5°	557.0	558.1	547.8	545.3	545.3
60°	493.4	488.4	476.7	473.4	477.6
62.5°	426.5	420.7	408.2	408.2	411.5
65°	366.3	361.0	347.9	344.3	347.4
67.5°	309.9	304.9	292.9	291.0	291.8
70°	256.3	252.1	244.6	240.2	241.8
72.5°	210.2	206.3	201.3	198.0	196.0
75°	167.8	166.9	161.6	160.0	158.0
77.5°	132.8	132.4	128.0	126.0	124.1
80°	99.7	99.2	98.3	95.3	93.9
82.5°	71.1	71.1	70.5	68.1	66.6
85°	41.4	42.8	42.8	40.3	40.3
87.5°	16.6	17.5	16.6	16.6	16.1
90°	0.0	0.0	0.0	0.0	0.0







— 0°-180° - - 45°-225° - - - 90°-270°







(END OF REPORT)