

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: P1046967

Luminaire Tested: 22PTR-35-PR1-L850-UNV-STD-W

Issue Date: 7/10/2025

Test Information

Test Method: LM-79-2019
Report Number: P1046967
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-35-PR1-L850-UNV-STD-W
Description: 3500 LUMEN 2X2 PERCEIVE PT TROFFER WITH 5000K, 80 CRI LEDS AND RIPPLE LENS

Light Source:
Ballast/Driver: -

Summary

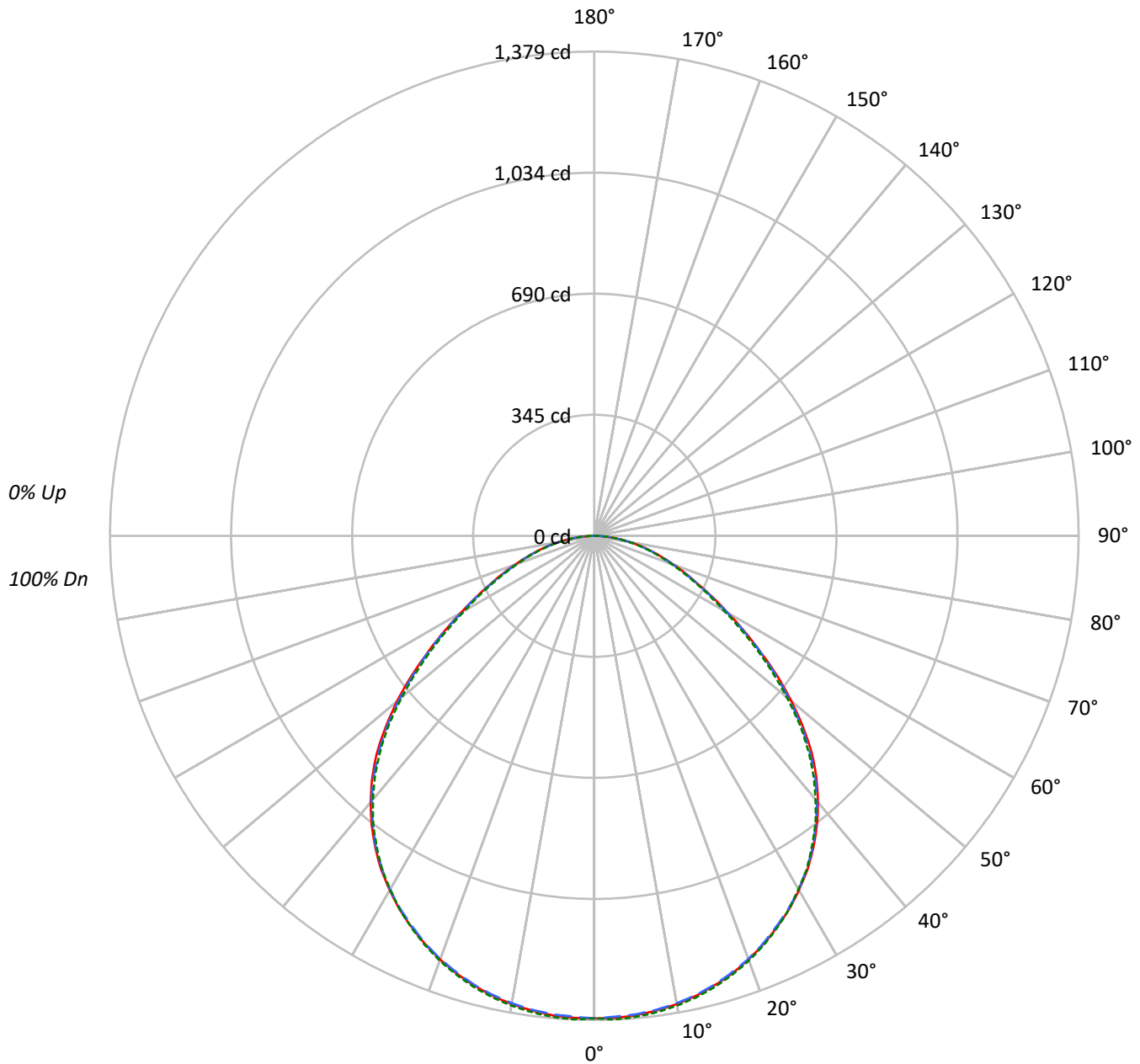
Lumens per Lamp: N/A
Luminaire Lumens: 3476.5 lumens
Efficiency: N/A
Efficacy: 133.7 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.26 / 1.34
Luminous Opening: (L: 2 ' x W: 0 ' x H: 2 '
CIE Type: Direct

Input Watts (W): 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	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°	130.4	3.8
10°-20°	374.3	10.8
20°-30°	567.0	16.3
30°-40°	676.9	19.5
40°-50°	665.7	19.1
50°-60°	514.5	14.8
60°-70°	324.4	9.3
70°-80°	175.5	5.0
80°-90°	47.9	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°	1071.7	30.8
0°-40°	1748.5	50.3
0°-60°	2928.7	84.2
0°-90°	3476.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3476.5	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1375	1375	1375	1375	1375	
5°	1371	1371	1368	1374	1375	130
15°	1325	1326	1324	1328	1330	374
25°	1230	1231	1227	1231	1232	567
35°	1087	1087	1084	1083	1080	679
45°	876	873	867	860	860	671
55°	579	584	576	567	565	520
65°	327	327	325	319	318	329
75°	168	166	164	165	161	179
85°	41	41	40	41	39	49
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1374.7	1374.7	1374.7	1374.7	1374.7
2.5°	1374.1	1374.7	1370.7	1377.2	1378.6
5°	1370.7	1371.3	1367.7	1373.6	1375.2
7.5°	1363.7	1364.8	1361.4	1367.3	1368.7
10°	1353.9	1355.0	1351.6	1357.5	1358.9
12.5°	1341.7	1342.1	1339.2	1344.6	1346.0
15°	1325.4	1325.8	1323.5	1327.8	1329.7
17.5°	1306.6	1307.2	1303.8	1309.1	1310.0
20°	1284.1	1284.4	1282.5	1286.9	1287.5
22.5°	1258.8	1259.9	1256.9	1260.8	1261.3
25°	1230.4	1231.3	1227.3	1231.3	1231.8
27.5°	1200.3	1200.7	1197.2	1200.3	1199.8
30°	1165.2	1168.2	1163.8	1162.7	1162.3
32.5°	1128.9	1129.2	1124.9	1123.9	1125.8
35°	1087.0	1087.3	1084.5	1083.0	1080.0
37.5°	1041.1	1041.1	1035.6	1034.7	1034.2
40°	990.8	990.3	986.9	983.5	979.9
42.5°	936.1	937.1	930.2	924.3	923.4
45°	876.5	873.1	866.6	859.8	860.3
47.5°	806.1	807.0	798.2	792.7	791.2
50°	733.1	733.1	724.8	718.9	715.9
52.5°	656.8	657.3	649.5	641.6	640.0
55°	578.9	583.8	576.4	567.1	565.1
57.5°	506.1	510.0	503.0	493.2	492.6
60°	438.6	438.9	437.0	427.7	425.2
62.5°	380.9	378.4	377.4	372.5	369.5
65°	326.7	327.2	324.7	319.2	318.3
67.5°	282.8	282.3	277.8	274.4	272.5
70°	239.9	238.4	236.5	233.6	231.6
72.5°	201.6	201.6	200.0	199.1	195.7
75°	168.1	166.1	164.2	165.1	161.1
77.5°	136.1	134.1	132.5	130.5	129.6
80°	102.9	101.0	101.5	98.5	98.1
82.5°	71.4	71.4	70.5	68.0	68.6
85°	40.8	41.4	40.5	40.8	38.8
87.5°	14.9	15.2	16.3	15.2	15.2
90°	0.0	0.0	0.0	0.0	0.0





— 0°-180° - - 45°-225° - - - 90°-270°





(END OF REPORT)