

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: P1046923

Luminaire Tested: 22PTR-35-PP3-L835-UNV-STD-W

Issue Date: 7/10/2025

Test Information

Test Method: LM-79-2019
Report Number: P1046923
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-L835-UNV-STD-W
Description: 3500 LUMEN 2X2 PERCEIVE PT TROFFER WITH 3500K, 80 CRI LEDS AND PRISM LENS

Light Source:
Ballast/Driver: -

Summary

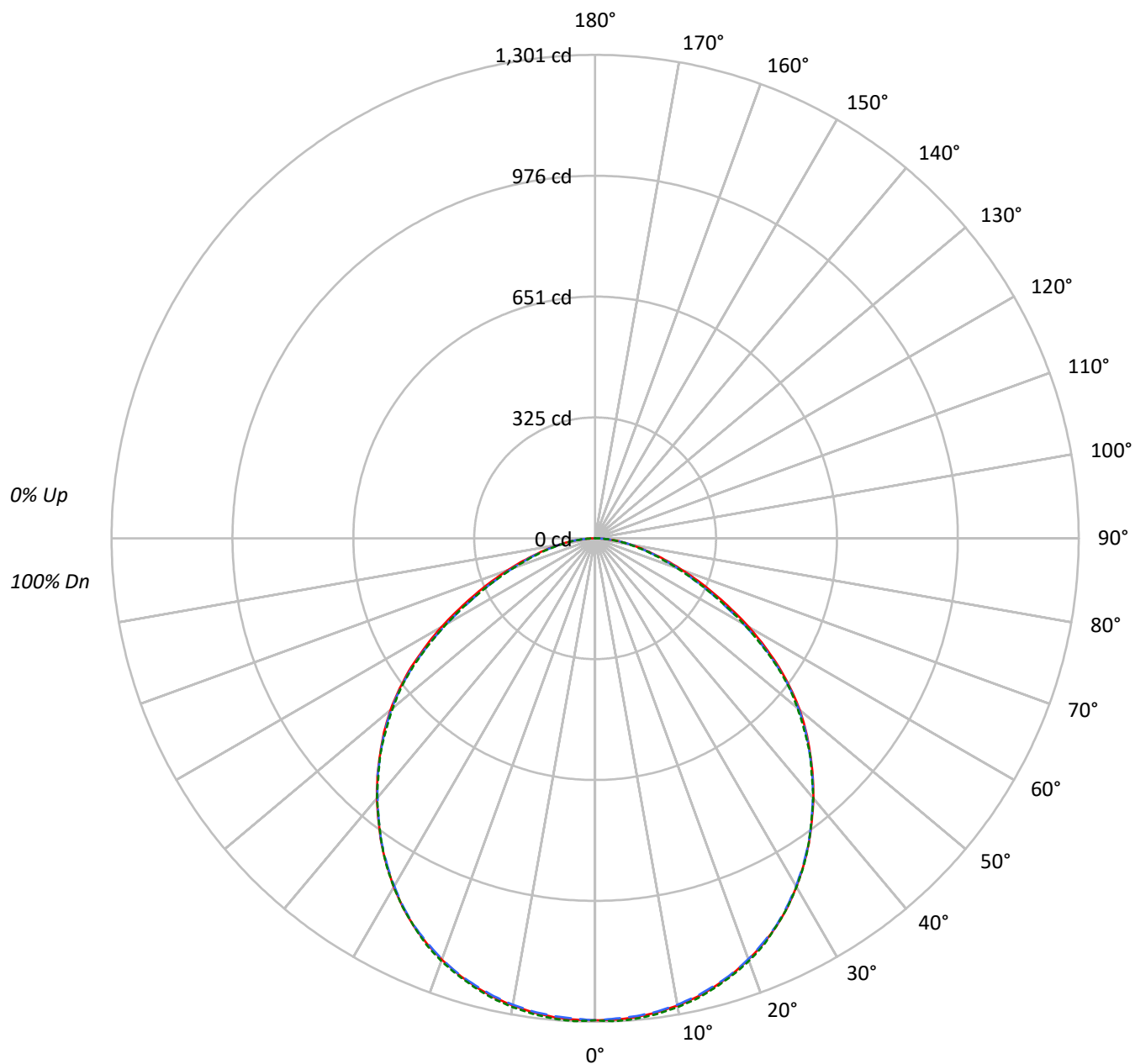
Lumens per Lamp: N/A
Luminaire Lumens: 3351.4 lumens
Efficiency: N/A
Efficacy: 128.9 lumens/watt
Spacing Criteria (0/90/45): 1.24 / 1.24 / 1.34
Luminous Opening: (L: 2 ' x W: 0 ' x H: 2 '
CIE Type: Direct

Input Watts (W): 26
Input Voltage (V): 120
Input Current (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	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°	123.0	3.7
10°-20°	352.4	10.5
20°-30°	530.5	15.8
30°-40°	626.2	18.7
40°-50°	629.8	18.8
50°-60°	531.7	15.9
60°-70°	341.5	10.2
70°-80°	169.8	5.1
80°-90°	46.5	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°	1006.0	30.0
0°-40°	1632.1	48.7
0°-60°	2793.6	83.4
0°-90°	3351.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3351.4	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1297	1297	1297	1297	1297	
5°	1293	1294	1290	1297	1297	123
15°	1248	1248	1246	1251	1251	352
25°	1153	1153	1151	1153	1152	531
35°	1002	1003	1001	1002	1002	626
45°	818	821	815	816	816	631
55°	604	603	596	594	595	537
65°	354	349	337	333	336	353
75°	162	162	156	155	153	176
85°	40	41	41	39	39	47
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1297.1	1297.1	1297.1	1297.1	1297.1
2.5°	1296.6	1297.1	1293.7	1299.8	1300.8
5°	1293.3	1293.7	1290.4	1296.6	1297.4
7.5°	1286.6	1287.2	1284.3	1289.9	1290.9
10°	1276.7	1278.3	1274.8	1280.1	1281.0
12.5°	1264.6	1265.1	1261.7	1267.8	1268.9
15°	1248.2	1248.5	1245.8	1251.4	1251.4
17.5°	1229.2	1229.7	1227.8	1232.6	1232.1
20°	1206.2	1207.6	1205.2	1208.5	1210.4
22.5°	1181.3	1181.8	1178.9	1183.1	1185.0
25°	1153.0	1153.4	1151.2	1153.4	1152.5
27.5°	1120.0	1120.9	1117.6	1120.0	1120.5
30°	1083.2	1085.6	1081.0	1082.9	1083.2
32.5°	1043.7	1045.1	1041.8	1042.4	1044.8
35°	1002.3	1002.8	1001.0	1001.8	1001.8
37.5°	957.7	959.6	956.6	958.0	956.1
40°	913.4	911.5	910.5	911.5	912.9
42.5°	866.7	867.2	865.8	864.8	862.6
45°	817.7	820.6	815.3	816.4	816.4
47.5°	769.8	770.2	767.4	764.5	762.6
50°	718.5	718.5	715.1	712.9	710.0
52.5°	662.4	661.5	657.8	655.4	656.8
55°	603.6	603.0	596.5	594.1	594.7
57.5°	539.1	540.1	530.2	527.8	527.8
60°	477.5	472.7	461.4	458.1	462.2
62.5°	412.8	407.2	395.0	395.0	398.3
65°	354.5	349.3	336.7	333.3	336.2
67.5°	299.9	295.1	283.5	281.6	282.4
70°	248.1	244.0	236.8	232.5	234.0
72.5°	203.4	199.6	194.9	191.6	189.7
75°	162.3	161.5	156.4	154.8	152.9
77.5°	128.5	128.1	123.9	122.0	120.1
80°	96.5	96.0	95.1	92.2	90.8
82.5°	68.8	68.8	68.3	65.9	64.5
85°	40.0	41.4	41.4	39.0	39.0
87.5°	16.1	16.9	16.1	16.1	15.6
90°	0.0	0.0	0.0	0.0	0.0



— 0°-180° - - 45°-225° - - - 90°-270°





(END OF REPORT)