

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: P1046966

Luminaire Tested: 22PTR-35-PR1-L840-UNV-STD-W

Issue Date: 7/10/2025

Test Information

Test Method: LM-79-2019
Report Number: P1046966
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-L840-UNV-STD-W
Description: 3500 LUMEN 2X2 PERCEIVE PT TROFFER WITH 4000K, 80 CRI LEDS AND RIPPLE LENS

Light Source:
Ballast/Driver: -

Summary

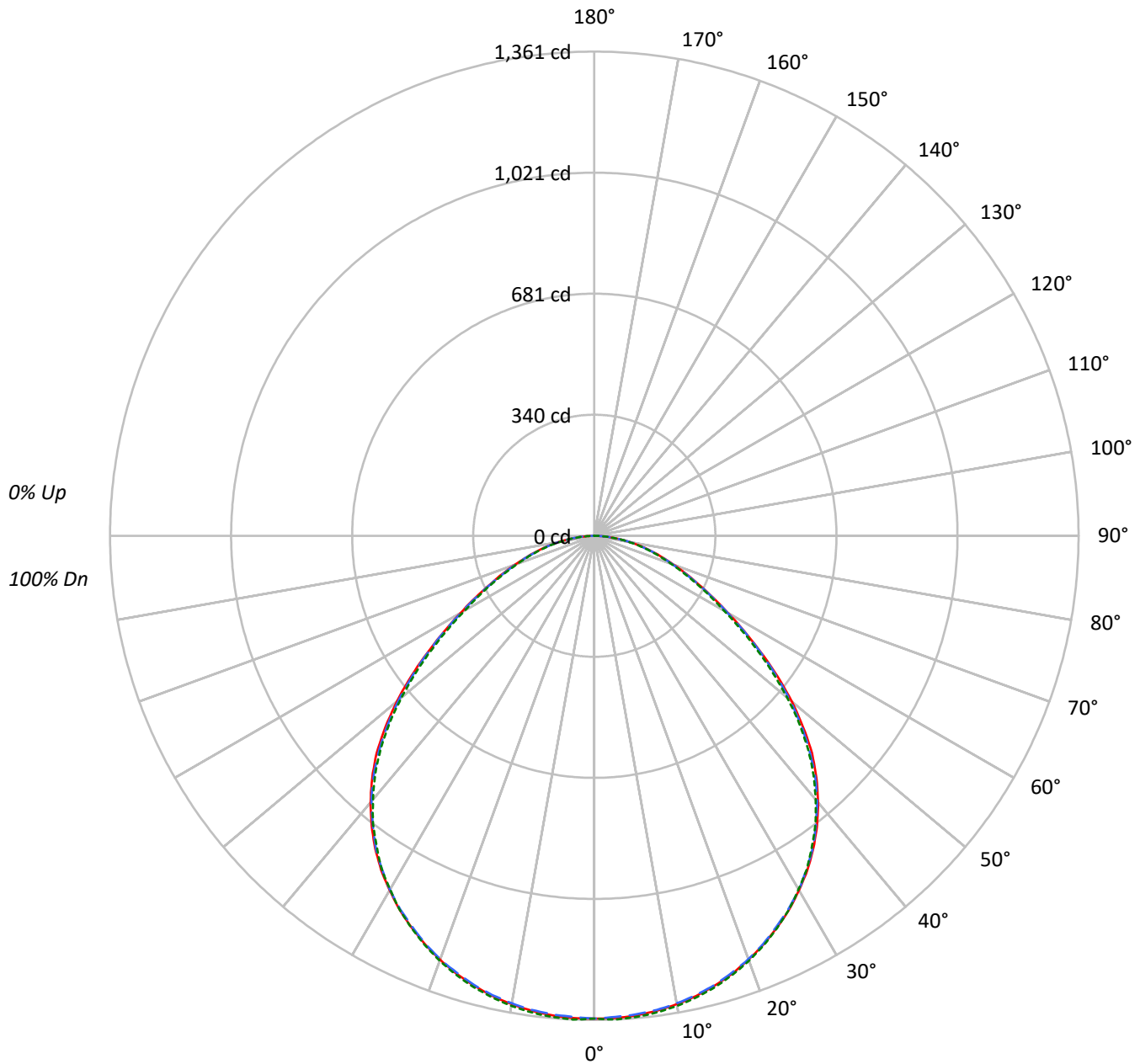
Lumens per Lamp: N/A
Luminaire Lumens: 3432.8 lumens
Efficiency: N/A
Efficacy: 132.0 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.26 / 1.34
Luminous Opening: (L: 2 ' x W: 0 ' x H: 2 '
CIE Type: Direct

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°	128.7	3.8
10°-20°	369.6	10.8
20°-30°	559.9	16.3
30°-40°	668.4	19.5
40°-50°	657.3	19.1
50°-60°	508.0	14.8
60°-70°	320.3	9.3
70°-80°	173.3	5.0
80°-90°	47.3	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°	1058.2	30.8
0°-40°	1726.6	50.3
0°-60°	2891.9	84.2
0°-90°	3432.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3432.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1357	1357	1357	1357	1357	
5°	1354	1354	1350	1356	1358	129
15°	1309	1309	1307	1311	1313	369
25°	1215	1216	1212	1216	1216	560
35°	1073	1074	1071	1069	1066	670
45°	866	862	856	849	850	663
55°	572	576	569	560	558	513
65°	323	323	321	315	314	325
75°	166	164	162	163	159	176
85°	40	41	40	40	38	48
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1357.4	1357.4	1357.4	1357.4	1357.4
2.5°	1356.9	1357.4	1353.5	1359.9	1361.3
5°	1353.5	1354.0	1350.5	1356.3	1357.9
7.5°	1346.6	1347.7	1344.3	1350.1	1351.6
10°	1336.9	1337.9	1334.6	1340.4	1341.8
12.5°	1324.9	1325.2	1322.4	1327.7	1329.1
15°	1308.8	1309.1	1306.8	1311.1	1313.0
17.5°	1290.2	1290.8	1287.4	1292.7	1293.6
20°	1267.9	1268.3	1266.4	1270.8	1271.3
22.5°	1243.0	1244.1	1241.1	1245.0	1245.5
25°	1214.9	1215.8	1211.9	1215.8	1216.3
27.5°	1185.2	1185.6	1182.2	1185.2	1184.7
30°	1150.6	1153.6	1149.2	1148.1	1147.7
32.5°	1114.7	1115.0	1110.8	1109.7	1111.7
35°	1073.3	1073.7	1070.9	1069.4	1066.4
37.5°	1028.1	1028.1	1022.6	1021.7	1021.2
40°	978.4	977.9	974.5	971.2	967.6
42.5°	924.3	925.4	918.5	912.6	911.8
45°	865.5	862.1	855.7	849.0	849.5
47.5°	796.0	796.9	788.2	782.7	781.3
50°	723.9	723.9	715.7	709.9	706.9
52.5°	648.6	649.1	641.3	633.5	631.9
55°	571.7	576.4	569.2	560.0	558.1
57.5°	499.7	503.6	496.7	487.0	486.5
60°	433.1	433.4	431.5	422.3	419.8
62.5°	376.2	373.7	372.6	367.9	364.8
65°	322.6	323.1	320.7	315.2	314.3
67.5°	279.3	278.8	274.3	271.0	269.0
70°	236.9	235.5	233.5	230.7	228.7
72.5°	199.0	199.0	197.4	196.6	193.2
75°	166.0	164.0	162.1	163.0	159.1
77.5°	134.3	132.4	130.8	128.9	128.0
80°	101.6	99.7	100.2	97.2	96.9
82.5°	70.5	70.5	69.6	67.2	67.7
85°	40.3	40.8	39.9	40.3	38.4
87.5°	14.7	15.0	16.1	15.0	15.0
90°	0.0	0.0	0.0	0.0	0.0





— 0°-180° - - 45°-225° - - - 90°-270°







(END OF REPORT)