

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: P1046757

Luminaire Tested: 22PTR-35-PB1-L850-UNV-STD-W

Issue Date: 7/10/2025

Test Information

Test Method: LM-79-2019
Report Number: P1046757
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P737703)
Test Lab: INNOVATION CENTER
Issue Date: 7/10/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: 22PTR-35-PB1-L850-UNV-STD-W
Description: 3500 LUMEN 2X2 PERCEIVE PT TROFFER WITH 5000K, 80 CRI LEDS AND BEVEL LENS

Light Source:
Ballast/Driver: -

Summary

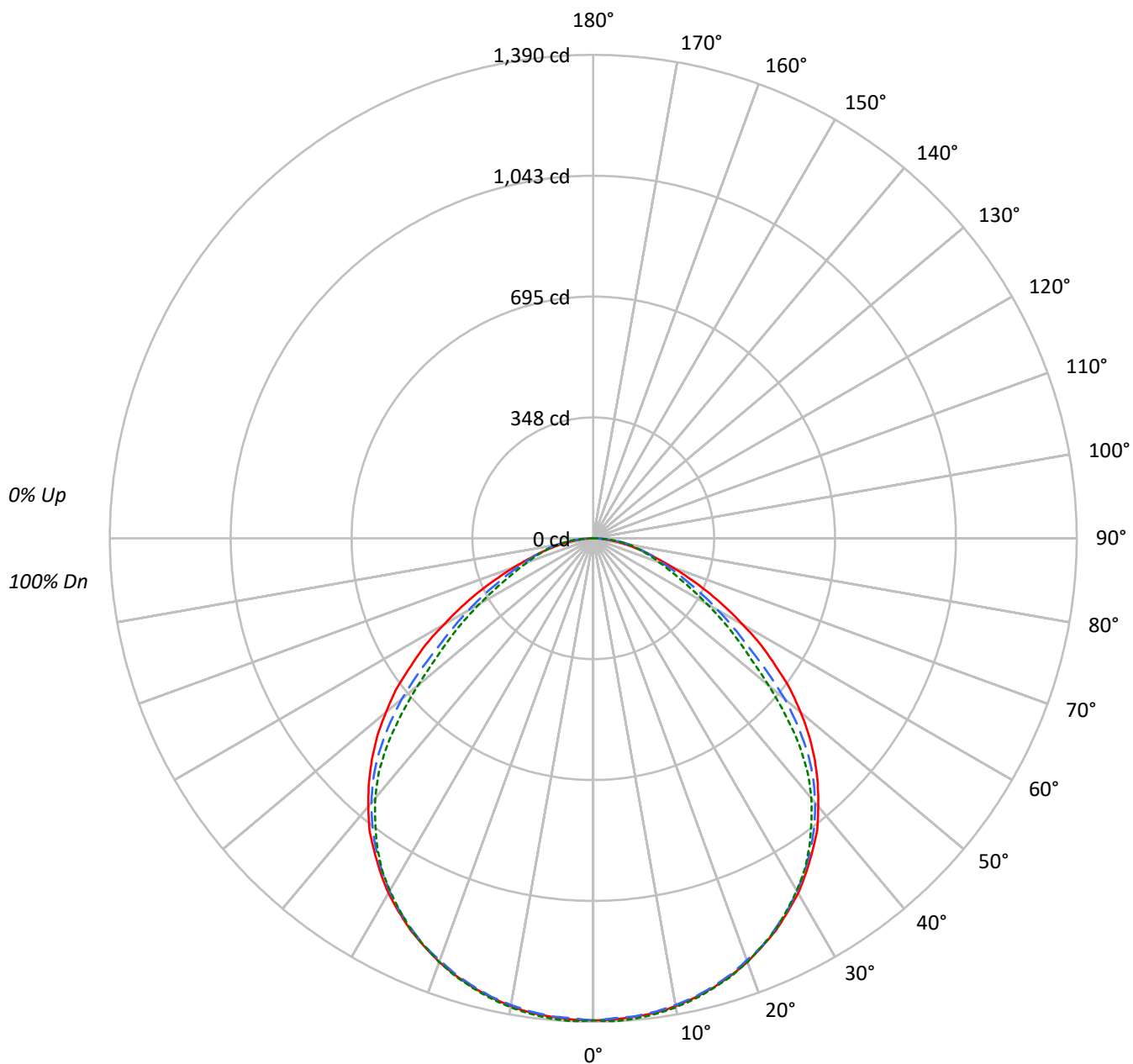
Lumens per Lamp: N/A
Luminaire Lumens: 3457.0 lumens
Efficiency: N/A
Efficacy: 133.0 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.25 / 1.34
Luminous Opening: (L: 2 ' x W: 0 ' x H: 2 '
CIE Type: Direct

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	110	105	101	98	107	103	99	96	99	96	93	95	93	90	91	89	88	86		
2	100	93	86	81	98	91	85	80	87	83	78	84	80	77	81	78	75	73		
3	92	82	75	69	90	81	74	68	78	72	67	75	70	66	73	68	64	62		
4	85	73	65	59	83	72	64	58	70	63	58	67	62	57	65	60	56	54		
5	78	66	57	51	76	65	57	51	63	56	50	61	55	50	59	54	49	47		
6	72	60	51	45	71	59	51	45	57	50	44	55	49	44	54	48	44	42		
7	67	54	46	40	66	53	45	40	52	45	39	51	44	39	49	43	39	37		
8	63	50	41	36	61	49	41	36	48	41	35	46	40	35	45	39	35	33		
9	59	46	38	32	57	45	37	32	44	37	32	43	36	32	42	36	32	30		
10	55	42	34	29	54	42	34	29	41	34	29	40	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°	131.5	3.8
10°-20°	377.2	10.9
20°-30°	571.4	16.5
30°-40°	680.8	19.7
40°-50°	665.8	19.3
50°-60°	503.6	14.6
60°-70°	309.4	8.9
70°-80°	164.8	4.8
80°-90°	52.6	1.5
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°	1080.0	31.2
0°-40°	1760.8	50.9
0°-60°	2930.2	84.8
0°-90°	3457.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3457.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1386	1386	1386	1386	1386	
5°	1381	1383	1380	1385	1386	131
15°	1337	1339	1334	1339	1339	377
25°	1243	1241	1238	1240	1241	573
35°	1098	1096	1090	1084	1083	687
45°	900	895	871	842	836	693
55°	640	607	544	513	505	573
65°	360	331	304	280	271	358
75°	153	155	157	152	148	164
85°	34	44	55	51	48	41
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1386.4	1386.4	1386.4	1386.4	1386.4
2.5°	1384.8	1386.4	1381.2	1388.2	1389.8
5°	1381.2	1383.0	1379.6	1384.8	1386.4
7.5°	1376.2	1376.2	1372.8	1377.8	1379.6
10°	1366.0	1366.0	1362.6	1367.6	1369.4
12.5°	1352.4	1352.4	1350.6	1354.0	1355.8
15°	1337.0	1338.6	1333.6	1338.6	1338.6
17.5°	1318.2	1316.6	1314.8	1318.2	1320.0
20°	1296.0	1296.0	1291.0	1294.4	1296.0
22.5°	1270.4	1270.4	1268.8	1270.4	1268.8
25°	1243.2	1241.4	1238.0	1239.8	1241.4
27.5°	1210.8	1210.8	1207.4	1207.4	1205.6
30°	1178.3	1176.6	1171.5	1168.1	1169.8
32.5°	1139.1	1137.4	1132.3	1128.9	1130.5
35°	1098.1	1096.5	1089.7	1084.5	1082.9
37.5°	1057.3	1052.1	1043.5	1036.7	1029.9
40°	1006.1	1000.9	992.5	977.1	975.3
42.5°	954.9	949.9	936.1	917.5	912.3
45°	900.3	895.3	871.3	842.3	835.5
47.5°	842.3	833.9	796.3	760.5	746.9
50°	777.7	762.3	717.9	671.9	656.5
52.5°	714.5	687.3	629.3	588.3	573.1
55°	639.5	607.1	544.1	513.3	504.7
57.5°	573.1	528.7	477.5	446.8	440.0
60°	496.3	455.3	414.4	387.1	376.8
62.5°	426.3	390.5	356.4	332.5	320.6
65°	359.8	330.8	303.6	279.6	271.2
67.5°	295.0	279.6	257.4	238.8	233.6
70°	240.4	231.8	216.6	208.0	201.2
72.5°	191.0	194.4	184.2	180.8	175.6
75°	153.4	155.2	156.8	151.8	148.4
77.5°	116.0	124.4	131.2	127.8	124.4
80°	87.0	95.4	107.4	102.4	102.4
82.5°	59.6	70.0	80.2	76.8	75.0
85°	34.2	44.4	54.6	51.2	47.8
87.5°	13.6	22.2	23.8	23.8	22.2
90°	0.0	0.0	0.0	0.0	0.0







— 0°-180° - - 45°-225° - - - 90°-270°







(END OF REPORT)