

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: P1046754

Luminaire Tested: 22PTR-35-PB1-L830-UNV-STD-W

Issue Date: 7/10/2025

Test Information

Test Method: LM-79-2019
Report Number: P1046754
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-L830-UNV-STD-W
Description: 3500 LUMEN 2X2 PERCEIVE PT TROFFER WITH 3000K, 80 CRI LEDS AND BEVEL LENS

Light Source:
Ballast/Driver: -

Summary

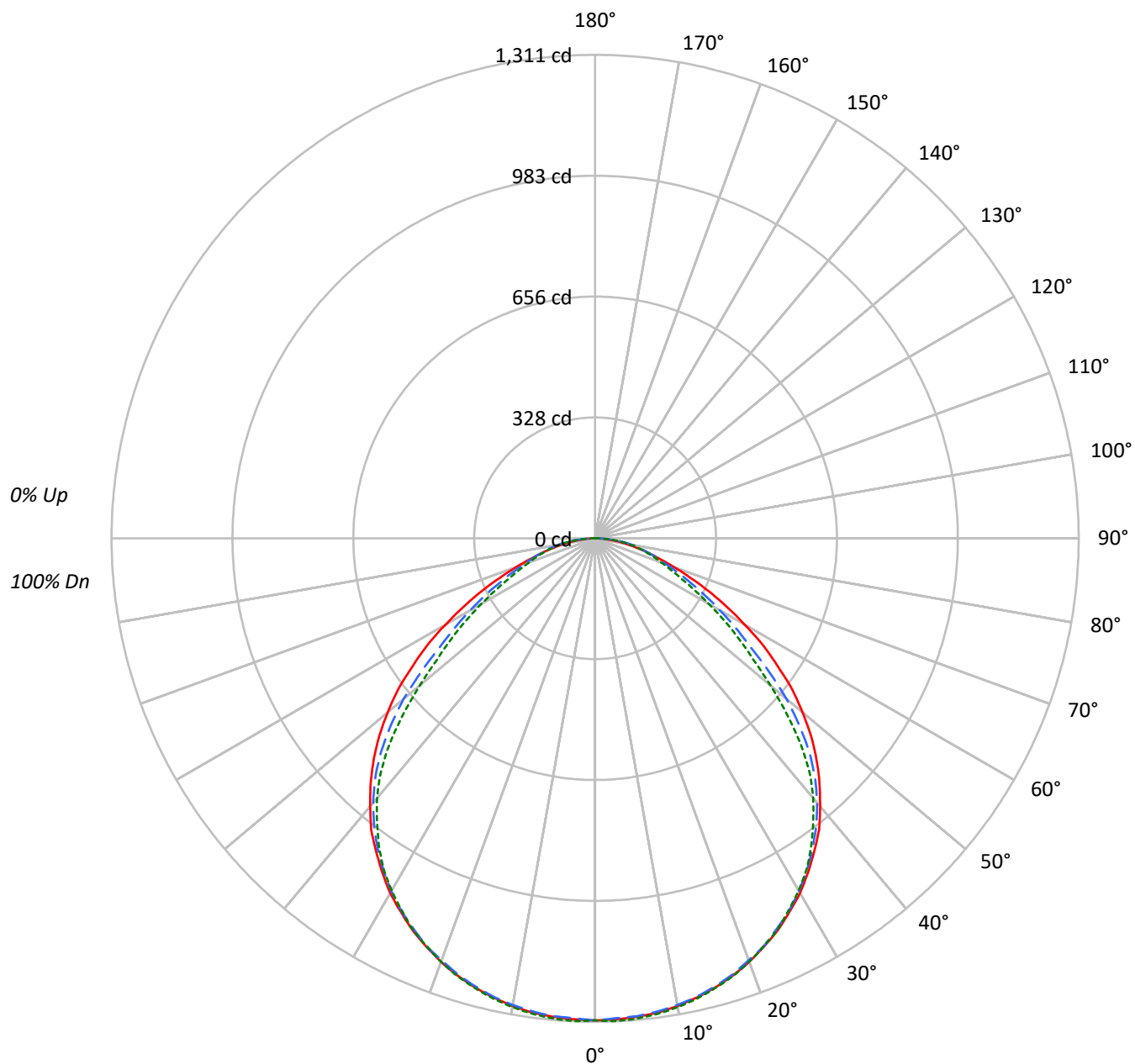
Lumens per Lamp: N/A
Luminaire Lumens: 3260.0 lumens
Efficiency: N/A
Efficacy: 125.4 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.25 / 1.34
Luminous Opening: (L: 2 ' x W: 0 ' x H: 2 '
CIE Type: Direct

Input Watts (W): 26
Input Voltage (V): 120
Input Current (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	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°	124.0	3.8
10°-20°	355.7	10.9
20°-30°	538.8	16.5
30°-40°	642.0	19.7
40°-50°	627.8	19.3
50°-60°	474.9	14.6
60°-70°	291.8	8.9
70°-80°	155.4	4.8
80°-90°	49.6	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°	1018.5	31.2
0°-40°	1660.5	50.9
0°-60°	2763.2	84.8
0°-90°	3260.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3260.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1307	1307	1307	1307	1307	
5°	1302	1304	1301	1306	1307	124
15°	1261	1262	1258	1262	1262	356
25°	1172	1171	1167	1169	1171	540
35°	1036	1034	1028	1023	1021	648
45°	849	844	822	794	788	653
55°	603	572	513	484	476	540
65°	339	312	286	264	256	338
75°	145	146	148	143	140	155
85°	32	42	52	48	45	39
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1307.4	1307.4	1307.4	1307.4	1307.4
2.5°	1305.9	1307.4	1302.5	1309.1	1310.6
5°	1302.5	1304.2	1301.0	1305.9	1307.4
7.5°	1297.8	1297.8	1294.5	1299.3	1301.0
10°	1288.1	1288.1	1284.9	1289.6	1291.3
12.5°	1275.3	1275.3	1273.6	1276.8	1278.5
15°	1260.8	1262.3	1257.6	1262.3	1262.3
17.5°	1243.1	1241.5	1239.8	1243.1	1244.7
20°	1222.1	1222.1	1217.4	1220.6	1222.1
22.5°	1198.0	1198.0	1196.5	1198.0	1196.5
25°	1172.3	1170.6	1167.4	1169.1	1170.6
27.5°	1141.8	1141.8	1138.5	1138.5	1136.9
30°	1111.2	1109.5	1104.8	1101.6	1103.1
32.5°	1074.2	1072.5	1067.8	1064.6	1066.1
35°	1035.6	1034.0	1027.6	1022.7	1021.2
37.5°	997.1	992.2	984.1	977.7	971.2
40°	948.8	943.9	936.0	921.4	919.8
42.5°	900.5	895.8	882.8	865.2	860.3
45°	849.0	844.3	821.7	794.3	787.9
47.5°	794.3	786.4	750.9	717.2	704.3
50°	733.4	718.9	677.0	633.6	619.1
52.5°	673.8	648.1	593.4	554.8	540.4
55°	603.0	572.5	513.1	484.0	475.9
57.5°	540.4	498.5	450.3	421.4	415.0
60°	468.0	429.3	390.8	365.0	355.4
62.5°	402.0	368.2	336.1	313.5	302.4
65°	339.3	312.0	286.3	263.7	255.8
67.5°	278.2	263.7	242.8	225.2	220.3
70°	226.7	218.6	204.3	196.2	189.8
72.5°	180.1	183.3	173.7	170.5	165.6
75°	144.7	146.4	147.9	143.2	140.0
77.5°	109.4	117.3	123.7	120.5	117.3
80°	82.0	90.0	101.3	96.6	96.6
82.5°	56.2	66.0	75.6	72.4	70.7
85°	32.2	41.9	51.5	48.3	45.1
87.5°	12.8	20.9	22.5	22.5	20.9
90°	0.0	0.0	0.0	0.0	0.0







— 0°-180° - - 45°-225° - - - 90°-270°







(END OF REPORT)