

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: P1047006

Luminaire Tested: 22PTR-35-PW1-L830-UNV-STD-W

Issue Date: 7/10/2025

Test Information

Test Method: LM-79-2019
Report Number: P1047006
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P737743)
Test Lab: INNOVATION CENTER
Issue Date: 7/10/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: 22PTR-35-PW1-L830-UNV-STD-W
Description: 3500 LUMEN 2X2 PERCEIVE PT TROFFER WITH 3000K, 80 CRI LEDS AND WAVES LENS

Light Source:
Ballast/Driver: -

Summary

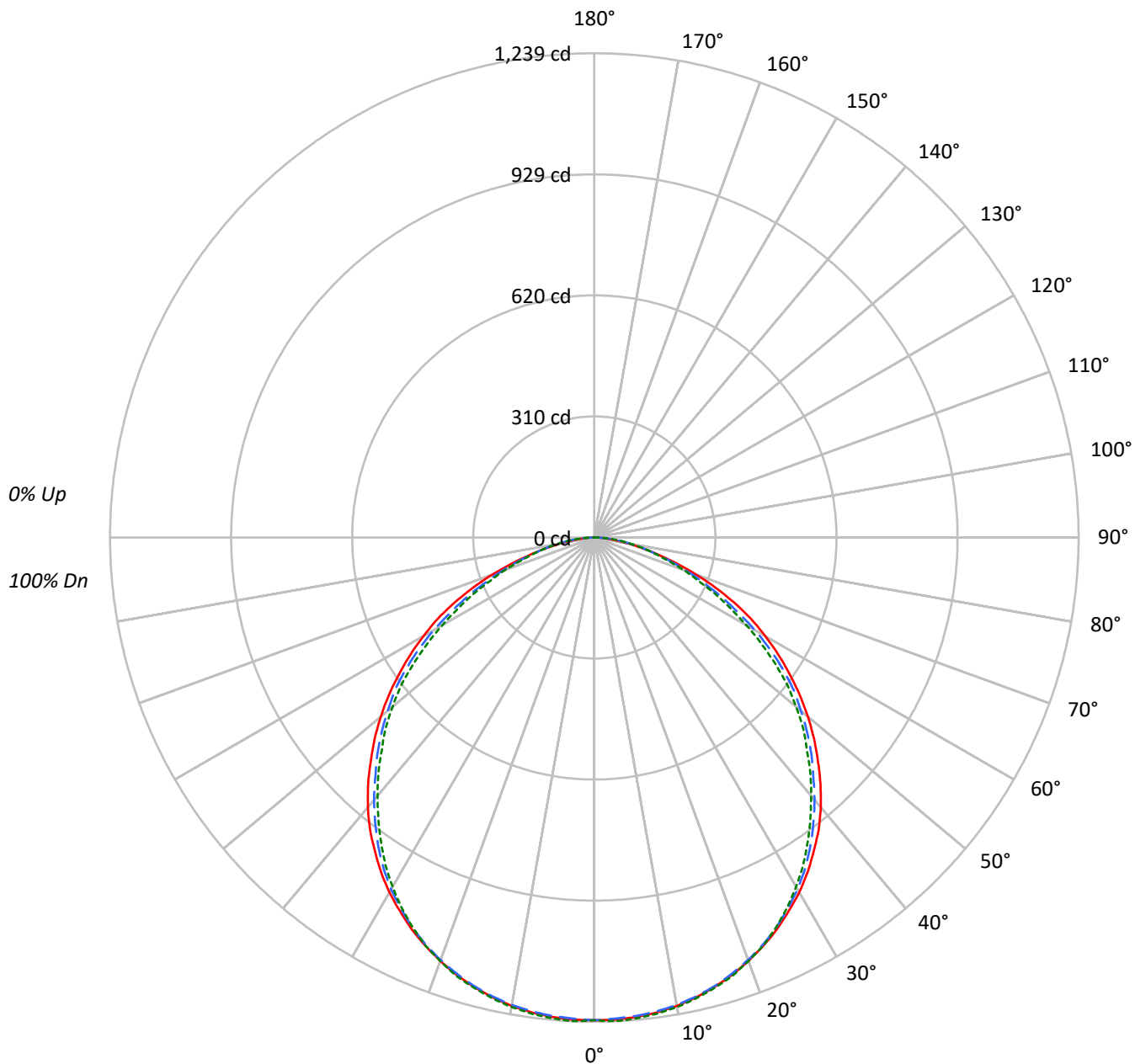
Lumens per Lamp: N/A
Luminaire Lumens: 3278.6 lumens
Efficiency: N/A
Efficacy: 126.1 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.24 / 1.34
Luminous Opening: (L: 2 ' x W: 0 ' x H: 2 '
CIE Type: Direct

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	95	98	95	92	94	92	90	91	89	87	85		
2	100	92	85	80	97	90	84	79	86	81	77	83	79	75	80	77	74	71		
3	91	81	73	67	89	79	72	66	76	70	65	74	68	64	71	67	63	61		
4	84	72	63	57	81	71	63	57	68	61	56	66	60	55	64	59	54	52		
5	77	64	56	49	75	63	55	49	61	54	48	59	53	48	57	52	47	45		
6	71	58	49	43	69	57	49	43	55	48	42	54	47	42	52	46	42	40		
7	66	53	44	38	64	52	44	38	50	43	38	49	42	37	48	42	37	35		
8	62	48	40	34	60	48	40	34	46	39	34	45	38	34	44	38	33	31		
9	58	44	36	31	56	44	36	31	43	35	30	41	35	30	40	34	30	28		
10	54	41	33	28	53	40	33	28	39	32	28	38	32	28	38	32	27	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°	117.2	3.6
10°-20°	336.1	10.2
20°-30°	507.9	15.5
30°-40°	603.1	18.4
40°-50°	607.6	18.5
50°-60°	525.2	16.0
60°-70°	358.9	10.9
70°-80°	177.0	5.4
80°-90°	45.8	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°	961.1	29.3
0°-40°	1564.2	47.7
0°-60°	2696.9	82.3
0°-90°	3278.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3278.6	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1235	1235	1235	1235	1235	
5°	1232	1232	1229	1234	1235	117
15°	1190	1192	1188	1192	1193	336
25°	1106	1105	1101	1102	1100	509
35°	979	975	964	955	952	613
45°	809	800	785	776	769	624
55°	610	608	589	572	566	545
65°	394	380	358	342	340	389
75°	167	166	163	163	159	182
85°	32	37	41	42	41	39
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1235.4	1235.4	1235.4	1235.4	1235.4
2.5°	1235.1	1235.4	1232.3	1237.8	1239.1
5°	1231.8	1232.3	1229.1	1234.1	1235.4
7.5°	1225.9	1226.8	1223.1	1228.1	1229.1
10°	1217.1	1217.6	1214.5	1219.5	1220.5
12.5°	1205.3	1205.7	1203.0	1207.5	1207.5
15°	1190.2	1191.5	1188.4	1192.5	1192.8
17.5°	1173.2	1173.7	1170.6	1175.0	1176.0
20°	1153.1	1153.1	1150.4	1154.1	1153.1
22.5°	1130.6	1130.6	1127.5	1129.3	1130.1
25°	1106.0	1105.0	1101.4	1102.4	1100.5
27.5°	1077.6	1077.6	1071.1	1071.1	1067.9
30°	1048.8	1046.5	1039.6	1035.5	1032.3
32.5°	1015.7	1012.5	1003.9	996.6	994.2
35°	978.8	975.4	964.0	955.3	951.6
37.5°	943.0	935.7	920.5	911.9	907.7
40°	901.2	892.1	876.6	864.7	862.8
42.5°	856.5	849.2	829.1	820.2	818.1
45°	808.9	800.1	785.0	775.8	769.0
47.5°	762.2	755.7	738.4	727.4	725.1
50°	713.1	707.6	689.8	678.0	673.9
52.5°	662.4	658.7	643.6	628.4	623.5
55°	609.8	608.0	589.2	571.7	565.7
57.5°	558.1	555.8	532.3	512.2	506.7
60°	504.0	497.2	474.2	455.4	449.5
62.5°	452.8	438.1	413.4	398.7	391.9
65°	394.1	379.9	358.0	342.3	340.2
67.5°	336.5	319.5	302.6	292.9	285.6
70°	276.5	265.0	252.2	244.0	242.7
72.5°	220.6	212.4	205.9	200.9	196.8
75°	167.0	165.7	163.3	163.3	158.9
77.5°	122.8	125.9	127.8	127.3	128.3
80°	85.2	91.5	95.1	95.6	95.1
82.5°	54.1	61.4	67.4	68.2	69.2
85°	31.6	37.1	40.8	41.6	40.8
87.5°	14.1	17.8	18.8	19.6	18.8
90°	0.0	0.0	0.0	0.0	0.0





— 0°-180° - - 45°-225° - - - 90°-270°





(END OF REPORT)