

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: P1046838

Luminaire Tested: 22PTR-35-PL1-L830-UNV-STD-W

Issue Date: 7/10/2025

Test Information

Test Method: LM-79-2019
Report Number: P1046838
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P737719)
Test Lab: INNOVATION CENTER
Issue Date: 7/10/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: 22PTR-35-PL1-L830-UNV-STD-W
Description: 3500 LUMEN 2X2 PERCEIVE PT TROFFER WITH 3000K, 80 CRI LEDS AND LEAVES LENS

Light Source:
Ballast/Driver: -

Summary

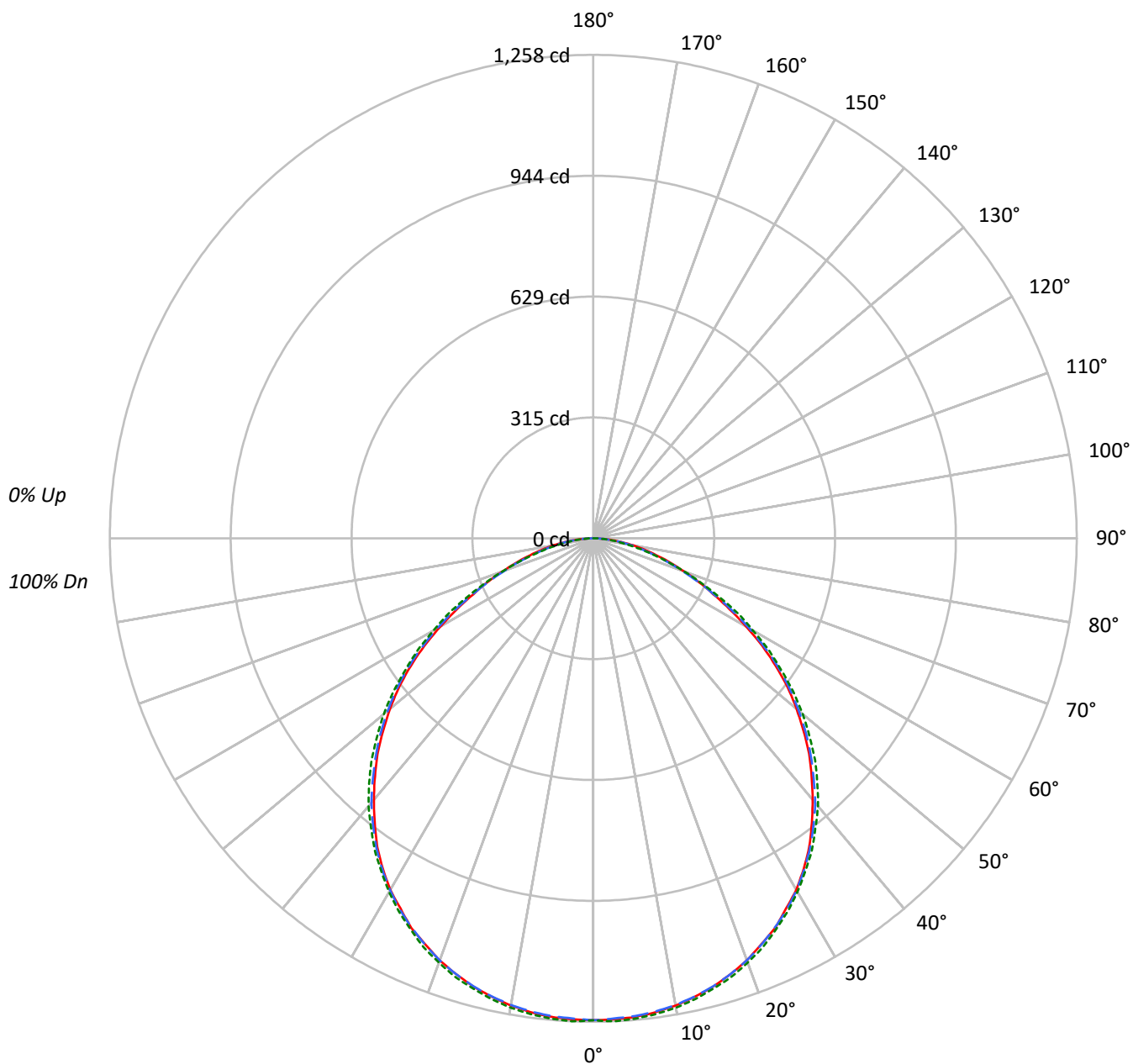
Lumens per Lamp: N/A
Luminaire Lumens: 3305.8 lumens
Efficiency: N/A
Efficacy: 127.1 lumens/watt
Spacing Criteria (0/90/45): 1.25 / 1.26 / 1.35
Luminous Opening: (L: 2 ' x W: 0 ' x H: 2 '
CIE Type: Direct

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	109	105	101	97	107	103	99	96	98	95	93	94	92	90	91	89	87	85		
2	100	92	86	80	97	90	84	79	87	82	77	83	79	75	80	77	74	72		
3	91	81	73	67	89	80	72	66	77	70	65	74	69	64	71	67	63	61		
4	84	72	64	57	82	71	63	57	68	61	56	66	60	55	64	59	55	52		
5	77	65	56	49	75	64	55	49	61	54	49	60	53	48	58	52	48	46		
6	71	58	50	43	69	57	49	43	56	48	43	54	47	42	52	47	42	40		
7	66	53	44	38	65	52	44	38	51	43	38	49	43	38	48	42	37	35		
8	62	48	40	34	60	48	40	34	46	39	34	45	39	34	44	38	34	32		
9	58	44	36	31	56	44	36	31	43	36	31	42	35	30	41	35	30	29		
10	54	41	33	28	53	41	33	28	40	33	28	39	32	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°	119.0	3.6
10°-20°	341.2	10.3
20°-30°	516.1	15.6
30°-40°	615.2	18.6
40°-50°	618.6	18.7
50°-60°	525.0	15.9
60°-70°	349.6	10.6
70°-80°	174.5	5.3
80°-90°	46.7	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°	976.2	29.5
0°-40°	1591.4	48.1
0°-60°	2735.0	82.7
0°-90°	3305.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3305.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1254	1254	1254	1254	1254	
5°	1250	1251	1248	1254	1255	119
15°	1207	1208	1207	1212	1213	341
25°	1119	1119	1118	1123	1124	515
35°	980	981	984	991	992	611
45°	794	795	801	811	816	611
55°	580	584	589	595	596	517
65°	344	347	348	353	362	345
75°	170	168	160	156	157	183
85°	44	43	40	38	34	51
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1254.1	1254.1	1254.1	1254.1	1254.1
2.5°	1253.1	1254.1	1250.7	1256.8	1258.3
5°	1250.4	1250.7	1248.0	1253.6	1254.9
7.5°	1244.3	1244.8	1241.9	1248.0	1248.9
10°	1234.5	1235.5	1233.2	1238.7	1240.1
12.5°	1222.0	1223.4	1221.0	1227.1	1228.1
15°	1207.2	1208.5	1206.7	1211.7	1212.7
17.5°	1188.9	1189.9	1188.9	1193.7	1196.4
20°	1168.5	1168.5	1168.5	1172.7	1175.1
22.5°	1143.0	1145.4	1144.4	1149.9	1152.3
25°	1119.4	1119.4	1117.9	1123.1	1123.9
27.5°	1086.3	1090.0	1089.7	1094.2	1095.2
30°	1056.1	1057.1	1057.6	1060.8	1062.6
32.5°	1019.4	1020.3	1021.8	1026.3	1026.9
35°	979.9	980.9	983.6	990.6	991.6
37.5°	934.0	939.1	941.4	948.9	949.7
40°	887.9	891.1	898.2	906.0	909.7
42.5°	841.0	844.7	848.9	859.5	862.9
45°	794.0	795.4	800.6	811.3	816.0
47.5°	742.0	746.2	750.8	760.1	763.0
50°	690.0	694.6	697.5	705.7	711.3
52.5°	637.5	641.7	644.9	650.0	655.6
55°	579.9	584.0	589.2	594.8	596.2
57.5°	521.4	525.9	529.3	535.2	541.3
60°	458.6	463.8	468.3	473.9	480.0
62.5°	400.1	402.3	407.1	416.3	425.1
65°	344.3	347.1	348.0	353.2	362.0
67.5°	297.8	297.8	293.6	295.5	305.3
70°	249.0	247.2	244.0	242.1	250.0
72.5°	209.5	207.2	200.2	197.0	201.3
75°	170.0	167.7	160.2	156.5	157.0
77.5°	136.6	132.9	126.8	120.4	119.0
80°	103.7	102.1	96.2	90.2	85.4
82.5°	73.4	70.2	66.9	63.1	59.4
85°	44.1	43.2	40.0	37.7	34.4
87.5°	18.1	18.1	17.2	16.2	15.4
90°	0.0	0.0	0.0	0.0	0.0





— 0°-180° - - 45°-225° - - - 90°-270°



(END OF REPORT)