

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: P1047007

Luminaire Tested: 22PTR-35-PW1-L835-UNV-STD-W

Issue Date: 7/10/2025

Test Information

Test Method: LM-79-2019
Report Number: P1047007
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-L835-UNV-STD-W
Description: 3500 LUMEN 2X2 PERCEIVE PT TROFFER WITH 3500K, 80 CRI LEDS AND WAVES LENS

Light Source:
Ballast/Driver: -

Summary

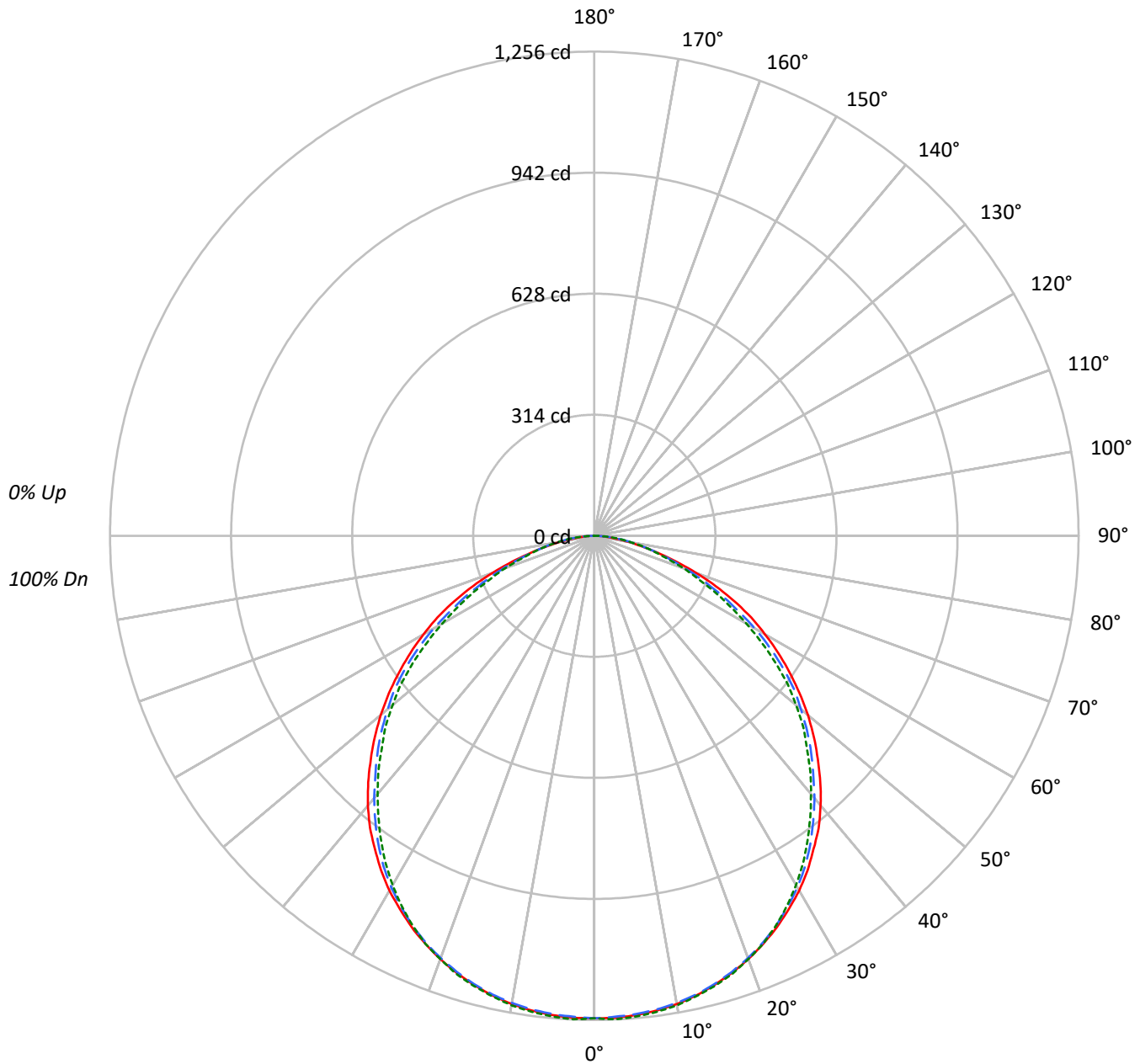
Lumens per Lamp: N/A
Luminaire Lumens: 3322.2 lumens
Efficiency: N/A
Efficacy: 127.8 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.24 / 1.34
Luminous Opening: (L: 2 ' x W: 0 ' x H: 2 '
CIE Type: Direct

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°	118.7	3.6
10°-20°	340.5	10.2
20°-30°	514.6	15.5
30°-40°	611.1	18.4
40°-50°	615.7	18.5
50°-60°	532.2	16.0
60°-70°	363.7	10.9
70°-80°	179.3	5.4
80°-90°	46.4	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°	973.9	29.3
0°-40°	1585.0	47.7
0°-60°	2732.8	82.3
0°-90°	3322.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3322.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1252	1252	1252	1252	1252	
5°	1248	1249	1246	1250	1252	119
15°	1206	1207	1204	1208	1209	340
25°	1121	1120	1116	1117	1115	516
35°	992	988	977	968	964	621
45°	820	811	795	786	779	633
55°	618	616	597	579	573	552
65°	399	385	363	347	345	394
75°	169	168	166	166	161	184
85°	32	38	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°	1251.9	1251.9	1251.9	1251.9	1251.9
2.5°	1251.5	1251.9	1248.7	1254.2	1255.6
5°	1248.2	1248.7	1245.5	1250.5	1251.9
7.5°	1242.3	1243.1	1239.4	1244.5	1245.5
10°	1233.3	1233.8	1230.6	1235.7	1236.7
12.5°	1221.4	1221.7	1219.0	1223.6	1223.6
15°	1206.0	1207.4	1204.2	1208.4	1208.7
17.5°	1188.8	1189.3	1186.1	1190.7	1191.7
20°	1168.4	1168.4	1165.7	1169.5	1168.4
22.5°	1145.7	1145.7	1142.5	1144.3	1145.2
25°	1120.7	1119.7	1116.0	1117.0	1115.2
27.5°	1091.9	1091.9	1085.3	1085.3	1082.1
30°	1062.8	1060.4	1053.5	1049.3	1046.1
32.5°	1029.2	1026.0	1017.2	1009.8	1007.5
35°	991.8	988.4	976.8	968.0	964.3
37.5°	955.6	948.1	932.8	924.0	919.8
40°	913.2	904.0	888.3	876.2	874.3
42.5°	867.9	860.5	840.1	831.2	829.0
45°	819.7	810.8	795.4	786.2	779.2
47.5°	772.3	765.8	748.2	737.1	734.7
50°	722.6	717.0	699.0	687.0	682.8
52.5°	671.2	667.5	652.2	636.8	631.8
55°	617.9	616.1	597.0	579.3	573.3
57.5°	565.5	563.2	539.4	519.0	513.4
60°	510.7	503.8	480.6	461.5	455.4
62.5°	458.8	444.0	418.9	404.0	397.1
65°	399.3	385.0	362.7	346.9	344.7
67.5°	341.0	323.8	306.6	296.8	289.4
70°	280.1	268.5	255.5	247.3	245.9
72.5°	223.5	215.2	208.7	203.6	199.4
75°	169.2	167.9	165.5	165.5	161.0
77.5°	124.4	127.6	129.5	128.9	130.0
80°	86.3	92.7	96.4	96.9	96.4
82.5°	54.8	62.2	68.3	69.1	70.1
85°	32.0	37.6	41.3	42.1	41.3
87.5°	14.3	18.0	19.0	19.9	19.0
90°	0.0	0.0	0.0	0.0	0.0







— 0°-180° - - 45°-225° - - - 90°-270°





(END OF REPORT)