

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: P1046861

Luminaire Tested: 22PTR-25-PLG-L850-UNV-STD-W

Issue Date: 7/10/2025

Test Information

Test Method: LM-79-2019
Report Number: P1046861
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2409-224-3)
Test Lab: INNOVATION CENTER
Issue Date: 7/10/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: 22PTR-25-PLG-L850-UNV-STD-W
Description: 2500 LUMEN 2X2 PERCEIVE PT TROFFER WITH 5000K, 80 CRI LEDS AND LOW GLARE LENS

Light Source:
Ballast/Driver: -

Summary

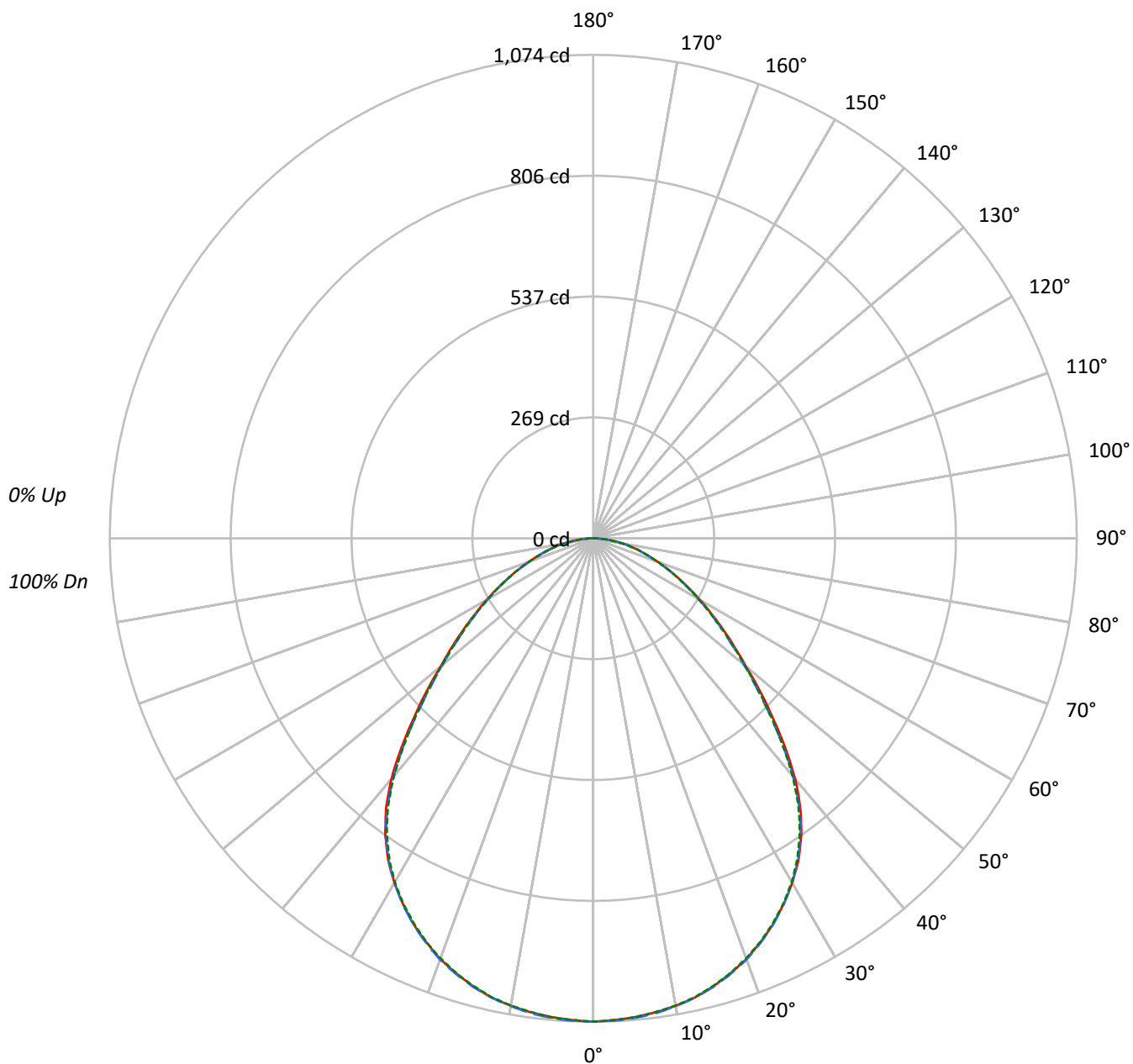
Lumens per Lamp: N/A
Luminaire Lumens: 2419.4 lumens
Efficiency: N/A
Efficacy: 127.3 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.22 / 1.26
Luminous Opening: (L: 2 ' x W: 0 ' x H: 2 '
CIE Type: Direct

Input Watts (W): 19
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	106	102	98	107	103	100	97	99	96	94	95	93	91	92	90	88	86		
2	101	94	87	82	99	92	86	81	88	84	79	85	81	78	82	79	76	74		
3	93	83	76	70	91	82	75	69	79	73	68	76	71	67	74	69	66	64		
4	86	75	67	60	84	73	66	60	71	64	59	69	63	58	67	62	58	56		
5	79	67	59	53	77	66	58	53	64	57	52	62	56	51	61	55	51	49		
6	74	61	53	47	72	60	52	47	58	51	46	57	51	46	55	50	45	43		
7	69	56	48	42	67	55	47	42	54	46	41	52	46	41	51	45	41	39		
8	64	51	43	38	62	51	43	38	49	42	37	48	42	37	47	41	37	35		
9	60	47	39	34	59	47	39	34	46	39	34	44	38	34	43	38	34	32		
10	56	44	36	31	55	43	36	31	42	36	31	41	35	31	40	35	31	29		

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°	101.7	4.2
10°-20°	290.9	12.0
20°-30°	435.2	18.0
30°-40°	498.7	20.6
40°-50°	431.3	17.8
50°-60°	312.1	12.9
60°-70°	205.6	8.5
70°-80°	111.9	4.6
80°-90°	32.1	1.3
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°	827.8	34.2
0°-40°	1326.4	54.8
0°-60°	2069.8	85.6
0°-90°	2419.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2419.4	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1074	1074	1074	1074	1074	
5°	1068	1070	1070	1070	1068	102
15°	1030	1031	1032	1033	1030	291
25°	946	946	946	947	943	435
35°	806	805	803	802	799	500
45°	563	562	554	553	556	436
55°	350	349	345	343	346	315
65°	207	209	206	204	206	207
75°	106	106	104	104	106	113
85°	28	28	28	29	25	33
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1073.7	1073.7	1073.7	1073.7	1073.7
2.5°	1071.4	1073.7	1072.9	1073.7	1071.4
5°	1067.6	1069.9	1069.9	1069.9	1068.4
7.5°	1062.3	1063.8	1064.6	1065.3	1061.5
10°	1054.7	1056.2	1055.4	1056.9	1053.9
12.5°	1044.8	1044.8	1045.5	1047.0	1044.0
15°	1030.3	1031.0	1031.8	1033.3	1029.5
17.5°	1013.5	1014.3	1015.0	1015.8	1012.7
20°	994.5	994.5	996.0	996.7	992.9
22.5°	970.8	970.8	972.4	974.6	970.1
25°	945.7	945.7	946.4	947.2	943.4
27.5°	916.0	916.0	916.7	919.0	914.4
30°	884.0	883.2	884.0	884.7	881.7
32.5°	848.1	847.4	846.6	847.4	843.6
35°	805.5	804.7	803.2	802.4	799.4
37.5°	755.9	754.4	751.4	751.4	748.3
40°	698.0	694.2	690.4	688.9	688.1
42.5°	631.0	627.9	622.6	621.8	621.8
45°	563.1	561.6	554.0	553.2	556.3
47.5°	502.2	498.4	491.5	490.0	494.6
50°	442.0	442.7	436.6	434.4	438.9
52.5°	394.7	393.2	387.9	386.4	390.2
55°	350.5	349.0	345.2	342.9	346.0
57.5°	310.1	309.4	305.6	304.8	306.3
60°	273.6	272.8	269.8	269.0	269.8
62.5°	239.3	239.3	236.2	234.7	237.0
65°	207.3	208.8	205.7	204.2	206.5
67.5°	178.3	179.8	176.8	175.3	178.3
70°	150.9	152.4	149.4	147.8	150.9
72.5°	127.3	128.0	125.7	125.0	128.8
75°	105.9	105.9	104.4	104.4	105.9
77.5°	86.1	85.3	84.6	84.6	83.1
80°	66.3	65.5	65.5	65.5	63.2
82.5°	47.2	45.7	46.5	47.2	43.4
85°	28.2	28.2	28.2	29.0	25.1
87.5°	11.4	11.4	10.7	11.4	9.9
90°	0.0	0.0	0.0	0.0	0.0





— 0°-180° - - 45°-225° - - - 90°-270°



(END OF REPORT)