

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: P1046688

Luminaire Tested: 22PTR-25-L840-UNV-STD-W

Issue Date: 7/10/2025

Test Information

Test Method: LM-79-2019
Report Number: P1046688
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2310-200-1)
Test Lab: INNOVATION CENTER
Issue Date: 7/10/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: 22PTR-25-L840-UNV-STD-W
Description: 2500 LUMEN 2X2 PERCEIVE PT TROFFER WITH 4000K, 80 CRI LEDS AND FROSTED LENS

Light Source:
Ballast/Driver: -

Summary

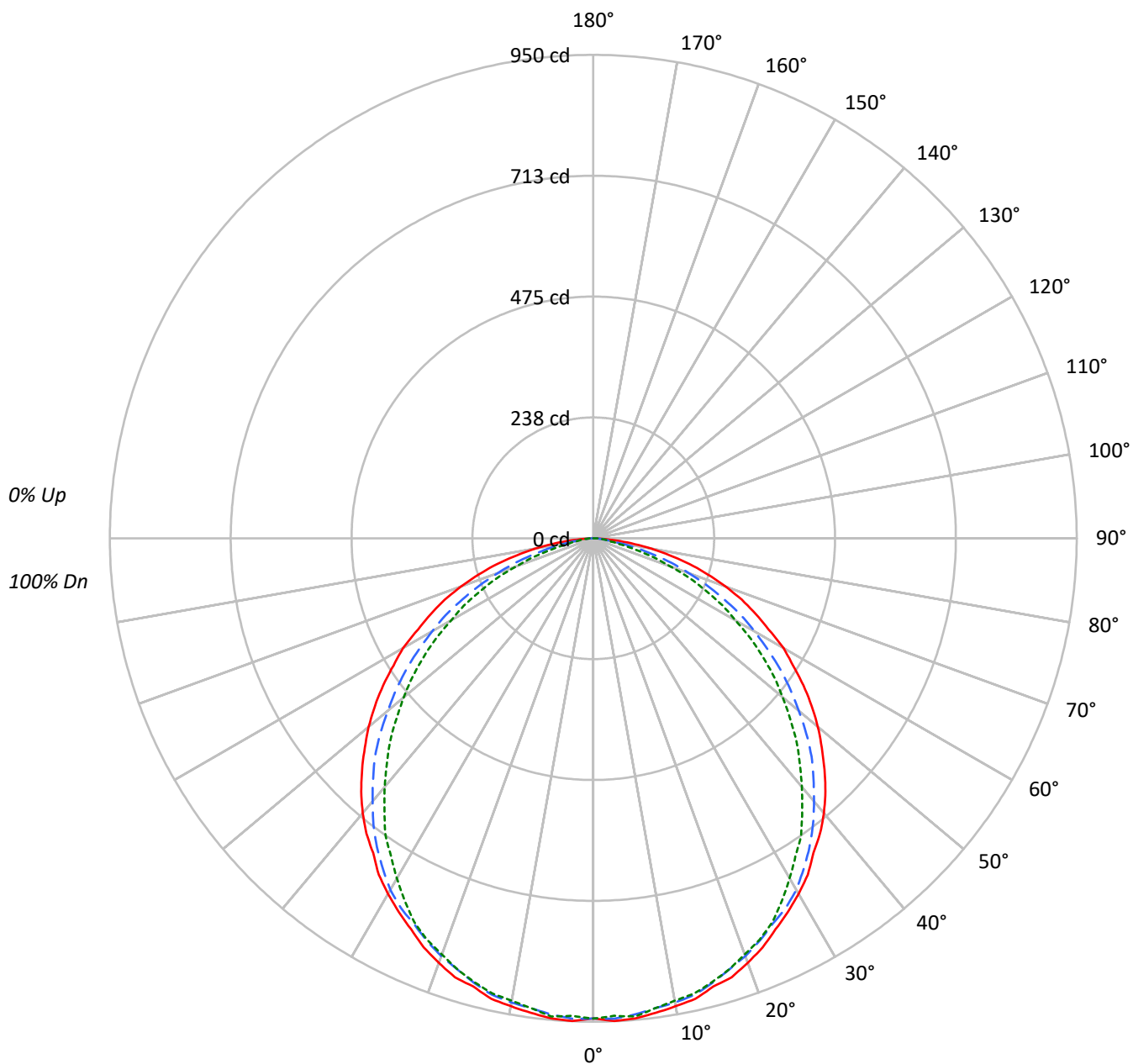
Lumens per Lamp: N/A
Luminaire Lumens: 2514.1 lumens
Efficiency: N/A
Efficacy: 132.3 lumens/watt
Spacing Criteria (0/90/45): 1.27 / 1.21 / 1.35
Luminous Opening: (L: 2 ' x W: 0 ' x H: 2 '
CIE Type: Direct

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	109	105	101	97	107	103	99	96	98	95	93	95	92	90	91	89	87	85		
2	100	92	85	80	97	90	84	79	87	81	77	83	79	75	80	77	74	72		
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	56	68	61	56	66	60	55	64	58	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	61	48	40	34	60	47	39	34	46	39	34	45	38	33	44	38	33	31		
9	57	44	36	31	56	44	36	30	42	35	30	41	35	30	40	34	30	28		
10	54	41	33	28	53	40	33	28	39	32	28	38	32	27	37	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°	89.5	3.6
10°-20°	256.0	10.2
20°-30°	386.7	15.4
30°-40°	459.8	18.3
40°-50°	466.3	18.5
50°-60°	404.9	16.1
60°-70°	287.5	11.4
70°-80°	137.4	5.5
80°-90°	26.0	1.0
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°	732.2	29.1
0°-40°	1192.0	47.4
0°-60°	2063.2	82.1
0°-90°	2514.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2514.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	944	944	944	944	944	
5°	947	944	939	942	943	90
15°	912	914	904	903	903	258
25°	848	847	835	839	832	392
35°	754	753	741	716	712	474
45°	642	637	607	574	565	496
55°	504	489	448	422	407	451
65°	352	326	283	253	243	349
75°	196	160	119	94	84	206
85°	38	20	17	17	16	48
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	943.8	943.8	943.8	943.8	943.8
2.5°	949.5	946.1	945.0	948.9	939.3
5°	947.2	943.8	939.3	941.6	943.3
7.5°	940.5	937.7	931.5	936.5	931.5
10°	933.7	930.9	926.4	928.1	922.5
12.5°	927.0	920.2	919.1	920.2	916.3
15°	911.8	914.0	904.5	903.4	902.8
17.5°	904.5	898.9	888.7	889.3	888.2
20°	887.6	880.9	873.6	872.4	870.2
22.5°	870.2	862.3	855.6	859.0	853.9
25°	847.7	846.6	835.3	838.7	832.5
27.5°	828.0	824.1	819.0	811.7	802.7
30°	806.7	802.7	797.7	778.6	771.8
32.5°	784.2	779.7	769.6	747.1	739.8
35°	754.4	753.3	740.9	715.6	712.2
37.5°	731.9	719.5	709.4	683.6	674.0
40°	704.9	698.2	674.6	649.8	637.5
42.5°	675.1	667.3	640.3	613.9	600.4
45°	642.5	636.9	606.6	574.5	565.0
47.5°	608.8	603.7	567.8	536.8	524.5
50°	576.2	570.0	526.7	496.9	485.7
52.5°	540.8	530.7	487.9	458.7	448.0
55°	504.2	489.1	448.0	421.6	407.0
57.5°	465.5	451.4	405.9	378.3	366.5
60°	431.7	412.0	365.4	337.3	322.1
62.5°	388.4	371.6	327.2	294.0	286.7
65°	352.5	326.0	283.3	253.0	243.4
67.5°	315.9	285.0	241.7	210.8	205.7
70°	276.0	244.0	199.6	169.2	160.8
72.5°	235.5	204.1	160.8	128.7	123.7
75°	196.2	160.2	119.2	94.4	83.8
77.5°	153.5	120.9	83.8	57.9	51.2
80°	114.1	81.5	48.3	34.3	33.7
82.5°	74.8	47.2	25.9	26.4	25.3
85°	38.2	20.2	17.4	16.9	16.3
87.5°	7.3	7.9	8.4	8.4	8.4
90°	0.0	0.0	0.0	0.0	0.0





— 0°-180° - - 45°-225° - - - 90°-270°







(END OF REPORT)