

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: P1046851

Luminaire Tested: 22PTR-25-PLG-L835-UNV-STD-W

Issue Date: 7/10/2025

Test Information

Test Method: LM-79-2019
Report Number: P1046851
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-L835-UNV-STD-W
Description: 2500 LUMEN 2X2 PERCEIVE PT TROFFER WITH 3500K, 80 CRI LEDS AND LOW GLARE LENS

Light Source:
Ballast/Driver: -

Summary

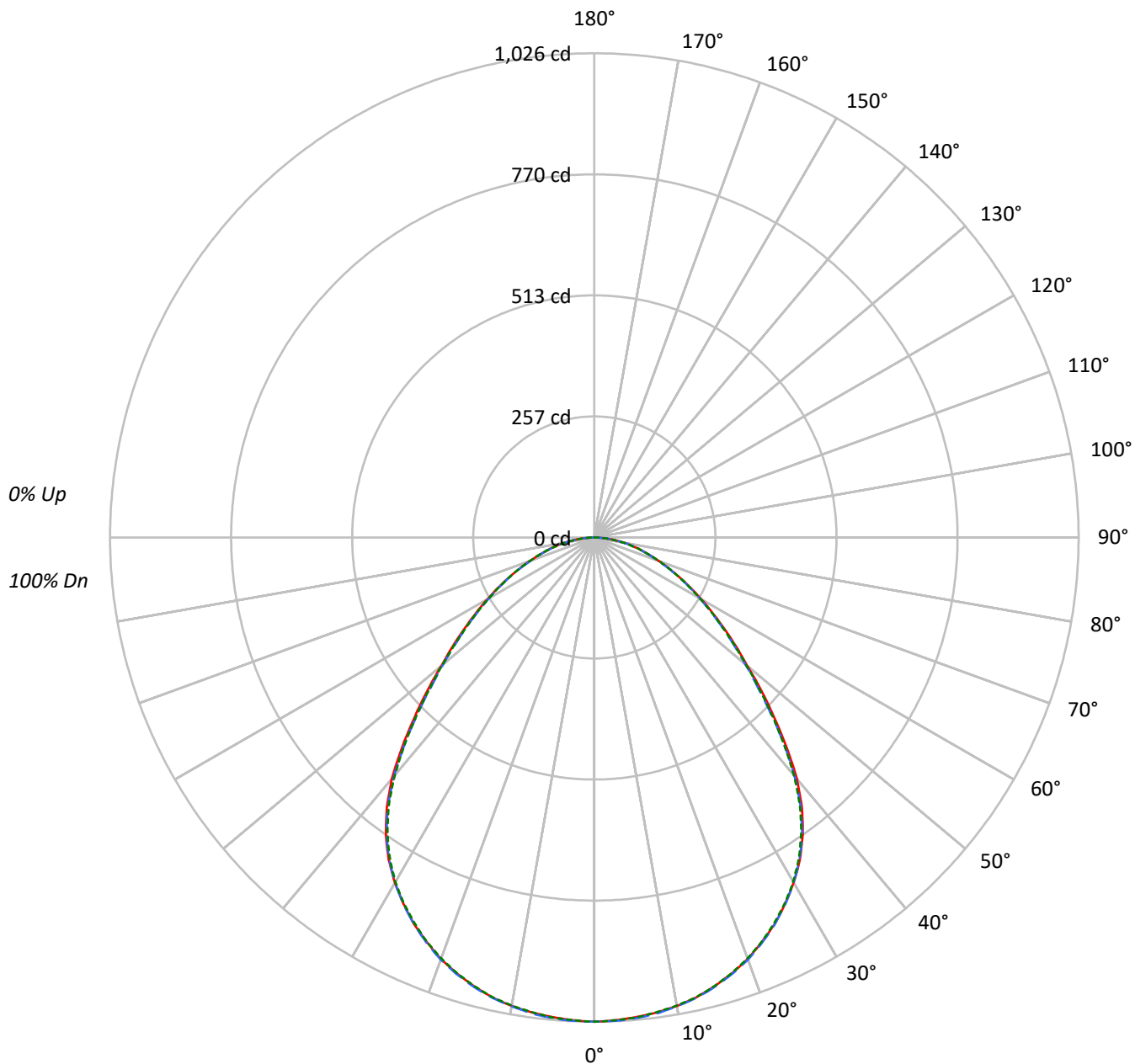
Lumens per Lamp: N/A
Luminaire Lumens: 2312.2 lumens
Efficiency: N/A
Efficacy: 121.7 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.22 / 1.26
Luminous Opening: (L: 2 ' x W: 0 ' x H: 2 '
CIE Type: Direct

Input Watts (W): 19
Input Voltage (V): 120
Input Current (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	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°	97.2	4.2
10°-20°	278.0	12.0
20°-30°	416.0	18.0
30°-40°	476.6	20.6
40°-50°	412.2	17.8
50°-60°	298.3	12.9
60°-70°	196.5	8.5
70°-80°	106.9	4.6
80°-90°	30.6	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°	791.1	34.2
0°-40°	1267.7	54.8
0°-60°	1978.1	85.6
0°-90°	2312.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2312.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1026	1026	1026	1026	1026	
5°	1020	1022	1022	1022	1021	97
15°	985	985	986	988	984	278
25°	904	904	904	905	902	416
35°	770	769	768	767	764	478
45°	538	537	530	529	532	417
55°	335	334	330	328	331	302
65°	198	200	197	195	197	198
75°	101	101	100	100	101	108
85°	27	27	27	28	24	31
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1026.2	1026.2	1026.2	1026.2	1026.2
2.5°	1024.0	1026.2	1025.4	1026.2	1024.0
5°	1020.3	1022.5	1022.5	1022.5	1021.1
7.5°	1015.2	1016.7	1017.4	1018.1	1014.5
10°	1007.9	1009.4	1008.7	1010.1	1007.2
12.5°	998.5	998.5	999.2	1000.7	997.8
15°	984.6	985.4	986.1	987.6	983.9
17.5°	968.6	969.3	970.1	970.8	967.9
20°	950.4	950.4	951.9	952.6	949.0
22.5°	927.8	927.8	929.3	931.5	927.1
25°	903.8	903.8	904.5	905.3	901.6
27.5°	875.4	875.4	876.1	878.3	873.9
30°	844.8	844.1	844.8	845.5	842.6
32.5°	810.6	809.9	809.1	809.9	806.2
35°	769.8	769.1	767.6	766.9	764.0
37.5°	722.5	721.0	718.1	718.1	715.2
40°	667.1	663.5	659.8	658.4	657.6
42.5°	603.0	600.1	595.0	594.3	594.3
45°	538.2	536.7	529.5	528.7	531.6
47.5°	479.9	476.3	469.7	468.3	472.7
50°	422.4	423.1	417.3	415.1	419.5
52.5°	377.3	375.8	370.7	369.2	372.9
55°	335.0	333.6	329.9	327.7	330.6
57.5°	296.4	295.7	292.0	291.3	292.8
60°	261.5	260.7	257.8	257.1	257.8
62.5°	228.7	228.7	225.8	224.3	226.5
65°	198.1	199.6	196.6	195.2	197.4
67.5°	170.4	171.9	169.0	167.5	170.4
70°	144.2	145.7	142.7	141.3	144.2
72.5°	121.6	122.4	120.2	119.4	123.1
75°	101.2	101.2	99.8	99.8	101.2
77.5°	82.3	81.6	80.8	80.8	79.4
80°	63.4	62.6	62.6	62.6	60.4
82.5°	45.2	43.7	44.4	45.2	41.5
85°	26.9	26.9	26.9	27.7	24.0
87.5°	10.9	10.9	10.2	10.9	9.5
90°	0.0	0.0	0.0	0.0	0.0

Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report





— 0°-180° - - 45°-225° - - - 90°-270°







(END OF REPORT)