

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: P1046724

Luminaire Tested: 22PTR-20-PB1-L835-UNV-STD-W

Issue Date: 7/10/2025

Test Information

Test Method: LM-79-2019
Report Number: P1046724
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P737703)
Test Lab: INNOVATION CENTER
Issue Date: 7/10/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: 22PTR-20-PB1-L835-UNV-STD-W
Description: 2000 LUMEN 2X2 PERCEIVE PT TROFFER WITH 3500K, 80 CRI LEDS AND BEVEL LENS

Light Source:
Ballast/Driver: -

Summary

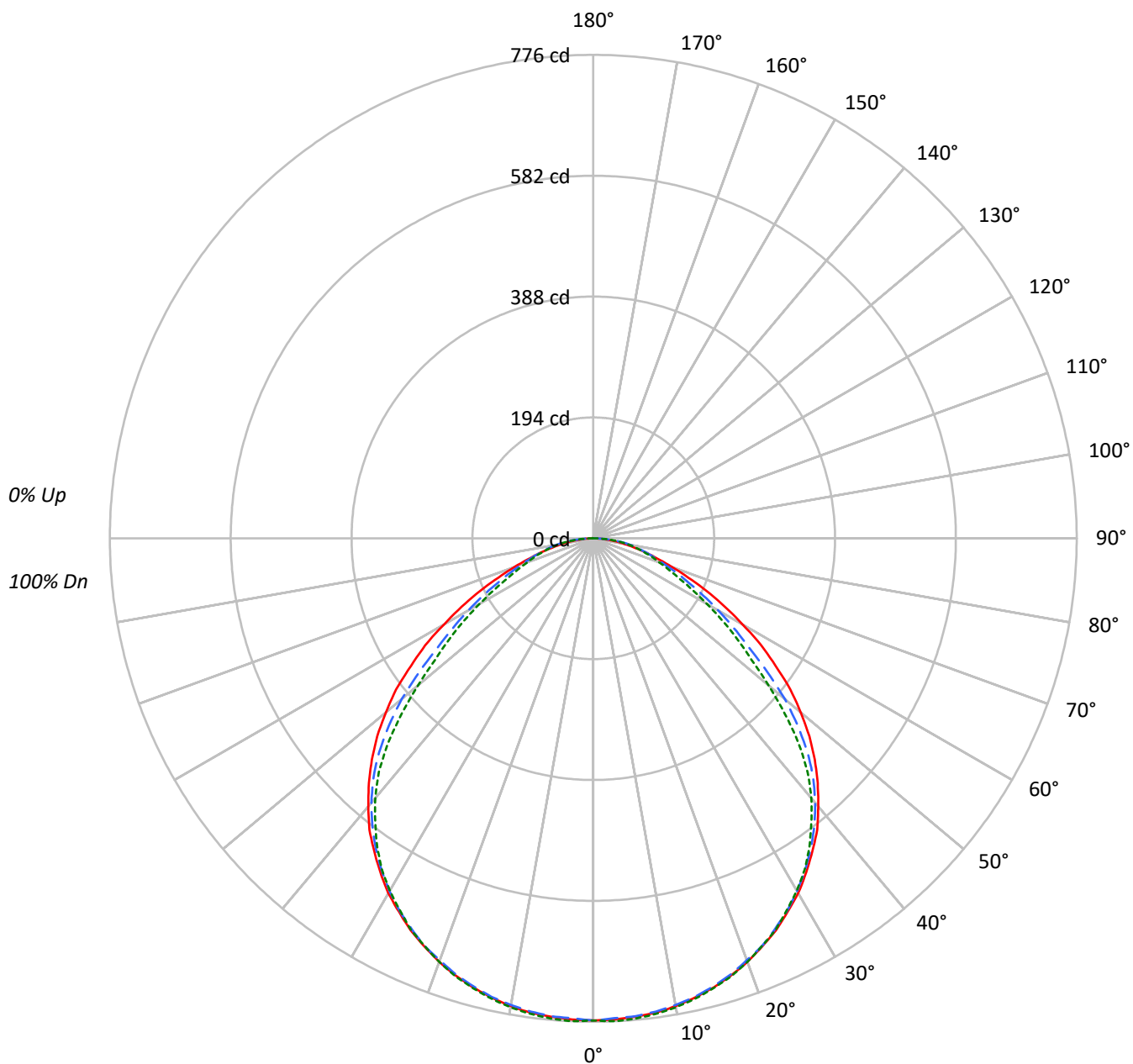
Lumens per Lamp: N/A
Luminaire Lumens: 1930.0 lumens
Efficiency: N/A
Efficacy: 128.7 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.25 / 1.34
Luminous Opening: (L: 2 ' x W: 0 ' x H: 2 '
CIE Type: Direct

Input Watts (W): 15
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
RCR																				
0	119	119	119	119	116	116	116	116		111	111	111		106	106	106		102	102	102
1	110	105	101	98	107	103	99	96		99	96	93		95	93	90		91	89	88
2	100	93	86	81	98	91	85	80		87	83	78		84	80	77		81	78	75
3	92	82	75	69	90	81	74	68		78	72	67		75	70	66		73	68	64
4	85	73	65	59	83	72	64	58		70	63	58		67	62	57		65	60	56
5	78	66	57	51	76	65	57	51		63	56	50		61	55	50		59	54	49
6	72	60	51	45	71	59	51	45		57	50	44		55	49	44		54	48	44
7	67	54	46	40	66	53	45	40		52	45	39		51	44	39		49	43	39
8	63	50	41	36	61	49	41	36		48	41	35		46	40	35		45	39	35
9	59	46	38	32	57	45	37	32		44	37	32		43	36	32		42	36	32
10	55	42	34	29	54	42	34	29		41	34	29		40	33	29		39	33	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°	73.4	3.8
10°-20°	210.6	10.9
20°-30°	319.0	16.5
30°-40°	380.1	19.7
40°-50°	371.7	19.3
50°-60°	281.1	14.6
60°-70°	172.7	8.9
70°-80°	92.0	4.8
80°-90°	29.4	1.5
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°	602.9	31.2
0°-40°	983.0	50.9
0°-60°	1635.9	84.8
0°-90°	1930.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1930.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	774	774	774	774	774	
5°	771	772	770	773	774	73
15°	746	747	744	747	747	211
25°	694	693	691	692	693	320
35°	613	612	608	606	605	383
45°	503	500	486	470	466	387
55°	357	339	304	287	282	320
65°	201	185	170	156	151	200
75°	86	87	88	85	83	92
85°	19	25	30	29	27	23
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	774.0	774.0	774.0	774.0	774.0
2.5°	773.1	774.0	771.1	775.0	775.9
5°	771.1	772.1	770.2	773.1	774.0
7.5°	768.3	768.3	766.4	769.2	770.2
10°	762.6	762.6	760.7	763.5	764.5
12.5°	755.0	755.0	754.0	755.9	756.9
15°	746.4	747.3	744.5	747.3	747.3
17.5°	735.9	735.0	734.0	735.9	736.9
20°	723.5	723.5	720.7	722.6	723.5
22.5°	709.2	709.2	708.3	709.2	708.3
25°	694.0	693.0	691.1	692.1	693.0
27.5°	675.9	675.9	674.0	674.0	673.0
30°	657.9	656.9	654.1	652.2	653.1
32.5°	636.0	635.0	632.2	630.3	631.2
35°	613.1	612.2	608.4	605.5	604.6
37.5°	590.3	587.4	582.6	578.8	575.0
40°	561.7	558.8	554.1	545.5	544.5
42.5°	533.1	530.3	522.6	512.2	509.3
45°	502.6	499.8	486.4	470.3	466.5
47.5°	470.3	465.6	444.6	424.6	417.0
50°	434.2	425.6	400.8	375.1	366.5
52.5°	398.9	383.7	351.3	328.4	319.9
55°	357.0	338.9	303.7	286.6	281.8
57.5°	319.9	295.1	266.6	249.5	245.7
60°	277.1	254.2	231.4	216.1	210.4
62.5°	238.0	218.0	199.0	185.6	179.0
65°	200.9	184.7	169.5	156.1	151.4
67.5°	164.7	156.1	143.7	133.3	130.4
70°	134.2	129.4	120.9	116.1	112.3
72.5°	106.6	108.5	102.8	100.9	98.0
75°	85.7	86.7	87.6	84.8	82.9
77.5°	64.8	69.5	73.3	71.4	69.5
80°	48.6	53.3	60.0	57.2	57.2
82.5°	33.3	39.1	44.8	42.9	41.9
85°	19.1	24.8	30.5	28.6	26.7
87.5°	7.6	12.4	13.3	13.3	12.4
90°	0.0	0.0	0.0	0.0	0.0



— 0°-180° - - 45°-225° - - - 90°-270°







(END OF REPORT)