

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: P1046762

Luminaire Tested: 22PTR-25-PC3-L830-UNV-STD-W

Issue Date: 7/10/2025

Test Information

Test Method: LM-79-2019
Report Number: P1046762
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P737711)
Test Lab: INNOVATION CENTER
Issue Date: 7/10/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: 22PTR-25-PC3-L830-UNV-STD-W
Description: 2500 LUMEN 2X2 PERCEIVE PT TROFFER WITH 3000K, 80 CRI LEDS AND PARAMID LENS

Light Source:
Ballast/Driver: -

Summary

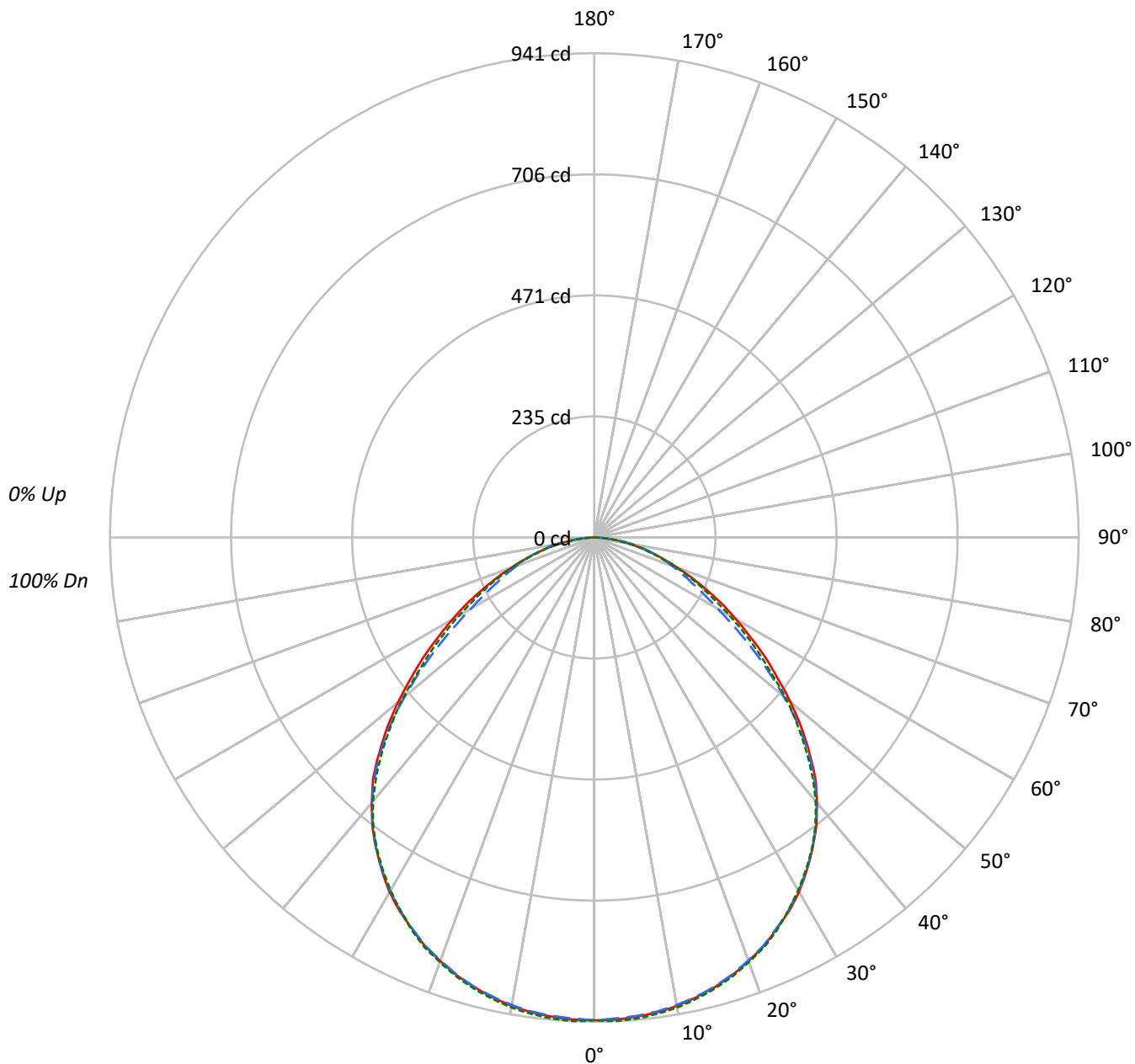
Lumens per Lamp: N/A
Luminaire Lumens: 2365.8 lumens
Efficiency: N/A
Efficacy: 124.5 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.25 / 1.34
Luminous Opening: (L: 2 ' x W: 0 ' x H: 2 '
CIE Type: Direct

Input Watts (W): 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
RCR																				
0	119	119	119	119	116	116	116	116		111	111	111			106	106	106			102
1	110	105	101	98	107	103	99	96		99	96	93			95	92	90			91
2	100	93	86	81	98	91	85	80		87	82	78			84	80	76			81
3	92	82	74	68	90	80	73	68		77	71	66			75	70	65			72
4	85	73	65	58	82	72	64	58		69	63	57			67	61	56			65
5	78	66	57	51	76	65	56	50		62	55	50			61	54	49			59
6	72	59	51	45	70	58	50	44		57	49	44			55	49	44			53
7	67	54	46	40	65	53	45	39		52	44	39			50	44	39			49
8	62	49	41	35	61	49	41	35		47	40	35			46	40	35			45
9	58	45	37	32	57	45	37	32		44	37	32			43	36	32			42
10	55	42	34	29	54	41	34	29		40	34	29			40	33	29			39

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°	89.0	3.8
10°-20°	255.5	10.8
20°-30°	386.8	16.3
30°-40°	461.1	19.5
40°-50°	450.6	19.0
50°-60°	344.5	14.6
60°-70°	221.2	9.4
70°-80°	123.1	5.2
80°-90°	34.0	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°	731.3	30.9
0°-40°	1192.4	50.4
0°-60°	1987.6	84.0
0°-90°	2365.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2365.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	938	938	938	938	938	
5°	935	936	933	938	939	89
15°	904	905	904	907	908	255
25°	839	840	838	840	841	387
35°	739	740	738	738	737	462
45°	591	592	586	585	580	455
55°	405	391	372	377	389	362
65°	240	222	209	216	231	240
75°	116	116	117	116	113	123
85°	25	30	30	29	25	31
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	938.4	938.4	938.4	938.4	938.4
2.5°	937.8	938.2	935.7	939.7	941.1
5°	935.1	935.7	933.4	937.8	938.8
7.5°	931.1	931.7	929.4	933.8	934.1
10°	924.4	924.7	922.7	927.1	927.7
12.5°	915.4	916.3	914.0	918.0	918.3
15°	904.5	905.2	903.5	906.6	907.5
17.5°	891.8	892.2	890.5	893.8	894.1
20°	876.0	876.0	874.6	878.4	878.4
22.5°	859.9	858.9	858.5	859.9	861.9
25°	839.1	840.1	837.8	840.5	841.1
27.5°	819.0	819.0	816.9	818.3	816.6
30°	795.8	794.5	793.2	793.4	791.8
32.5°	767.9	767.9	767.3	767.3	765.2
35°	739.1	739.7	738.4	738.0	737.1
37.5°	708.2	709.3	706.8	706.2	705.5
40°	672.9	672.9	671.9	670.6	668.9
42.5°	636.3	636.3	632.1	628.6	626.3
45°	590.7	592.1	586.3	585.0	580.4
47.5°	545.4	544.4	536.7	535.7	533.0
50°	497.1	491.3	480.4	483.3	485.7
52.5°	448.8	441.7	425.6	428.9	432.9
55°	404.8	390.7	371.9	376.6	388.7
57.5°	358.8	340.0	321.2	330.0	345.0
60°	318.2	297.1	276.6	286.0	303.4
62.5°	279.3	256.8	240.4	249.4	264.1
65°	240.4	221.8	209.1	216.1	230.6
67.5°	204.8	192.3	183.7	186.9	198.7
70°	172.6	164.8	160.1	161.1	167.8
72.5°	141.9	140.0	138.3	138.3	138.9
75°	115.5	116.5	117.4	115.9	113.2
77.5°	91.0	94.3	96.7	93.3	90.0
80°	66.8	72.2	75.2	71.5	66.5
82.5°	45.6	51.7	52.7	50.4	44.6
85°	25.1	29.5	29.9	28.9	25.1
87.5°	9.4	11.1	12.1	11.1	9.8
90°	0.0	0.0	0.0	0.0	0.0





— 0°-180° - - 45°-225° - - - 90°-270°





(END OF REPORT)