

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: P1050938

Luminaire Tested: 24PTR-20-PR1-L835-UNV-STD-W

Issue Date: 7/11/2025

Test Information

Test Method: LM-79-2019
Report Number: P1050938
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P737735)
Test Lab: INNOVATION CENTER
Issue Date: 7/11/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: 24PTR-20-PR1-L835-UNV-STD-W
Description: 2000 LUMEN 2X4 PERCEIVE PT TROFFER WITH 3500K, 80 CRI LEDS AND RIPPLE LENS

Light Source:
Ballast/Driver: -

Summary

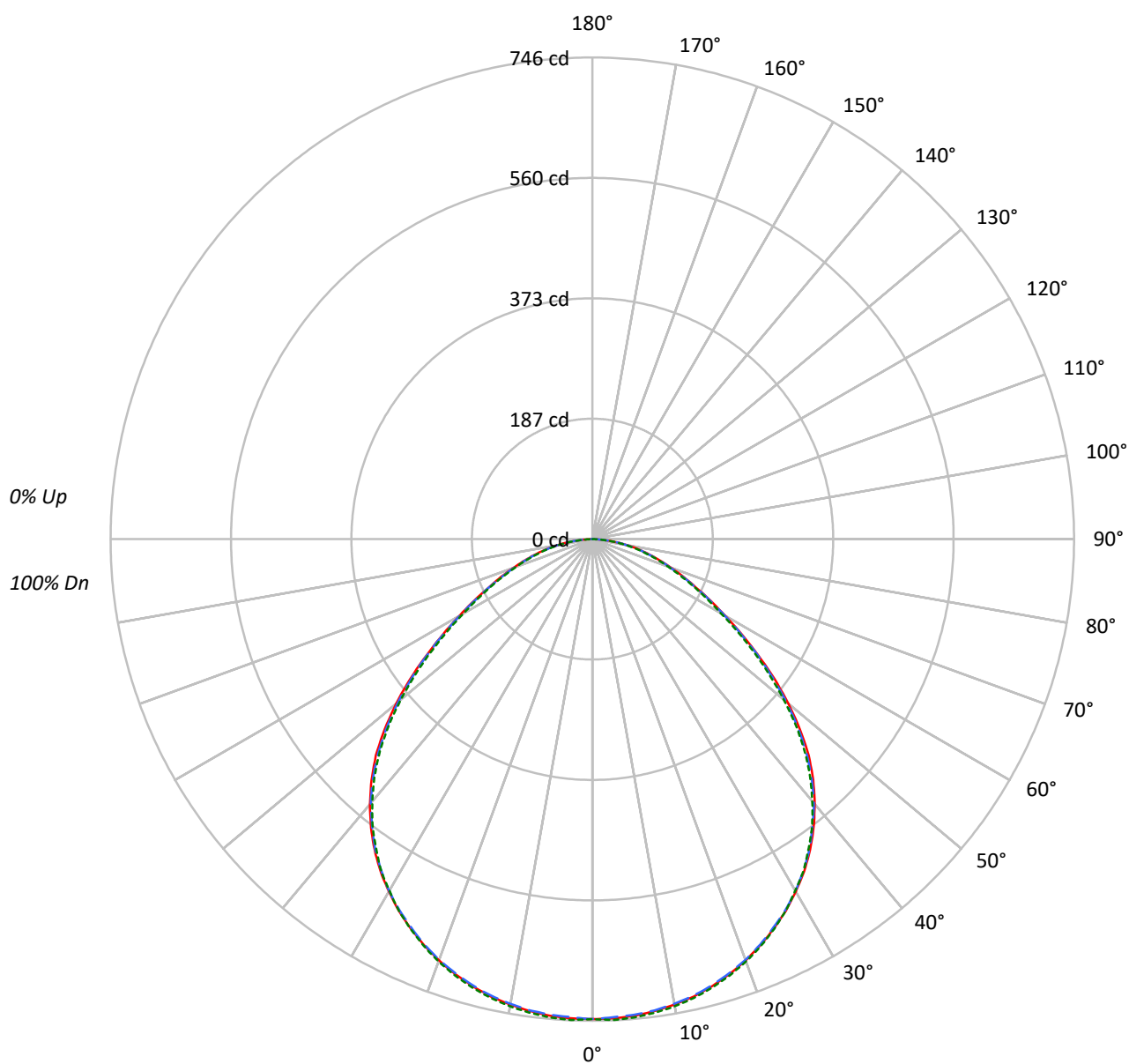
Lumens per Lamp: N/A
Luminaire Lumens: 1879.9 lumens
Efficiency: N/A
Efficacy: 125.3 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.26 / 1.34
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

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	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	105	101	98	107	103	99	96	99	96	93	95	92	90	91	89	88	85		
2	100	93	86	81	98	91	85	80	87	82	78	84	80	76	81	78	75	73		
3	92	82	74	68	90	80	73	68	78	71	66	75	70	65	72	68	64	62		
4	85	73	65	58	82	72	64	58	69	63	57	67	61	56	65	60	56	54		
5	78	66	57	51	76	65	56	50	62	55	50	61	54	49	59	53	49	47		
6	72	59	51	45	70	58	50	44	57	49	44	55	49	44	53	48	43	41		
7	67	54	45	40	65	53	45	39	52	44	39	50	44	39	49	43	39	37		
8	62	49	41	35	61	49	41	35	47	40	35	46	40	35	45	39	35	33		
9	58	45	37	32	57	45	37	32	44	37	32	43	36	32	42	36	31	30		
10	55	42	34	29	54	41	34	29	40	34	29	39	33	29	39	33	29	27		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1000	1000	1000
5°	1001	999	1004
10°	1000	998	1004
15°	998	997	1002
20°	994	993	997
25°	988	985	989
30°	979	978	976
35°	965	963	959
40°	941	937	931
45°	902	892	885
50°	830	820	810
55°	734	731	717
60°	638	636	619
65°	563	559	548
70°	510	503	493
75°	473	462	453
80°	432	425	411
85°	341	338	324

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 45°
Luminance: 902 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	70.5	3.8
10°-20°	202.4	10.8
20°-30°	306.6	16.3
30°-40°	366.0	19.5
40°-50°	359.9	19.1
50°-60°	278.2	14.8
60°-70°	175.4	9.3
70°-80°	94.9	5.0
80°-90°	25.9	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°	579.5	30.8
0°-40°	945.5	50.3
0°-60°	1583.6	84.2
0°-90°	1879.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1879.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	743	743	743	743	743	
5°	741	742	740	743	744	70
15°	717	717	716	718	719	202
25°	665	666	664	666	666	307
35°	588	588	586	586	584	367
45°	474	472	469	465	465	363
55°	313	316	312	307	306	281
65°	177	177	176	173	172	178
75°	91	90	89	89	87	97
85°	22	22	22	22	21	26
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	743.3	743.3	743.3	743.3	743.3
2.5°	743.0	743.3	741.2	744.7	745.5
5°	741.2	741.5	739.5	742.7	743.6
7.5°	737.4	738.0	736.2	739.4	740.1
10°	732.1	732.7	730.8	734.0	734.8
12.5°	725.5	725.7	724.2	727.1	727.8
15°	716.7	716.9	715.6	718.0	719.0
17.5°	706.5	706.8	705.0	707.9	708.4
20°	694.3	694.5	693.5	695.9	696.2
22.5°	680.7	681.3	679.6	681.8	682.1
25°	665.3	665.8	663.7	665.8	666.1
27.5°	649.0	649.2	647.4	649.0	648.8
30°	630.1	631.7	629.3	628.7	628.5
32.5°	610.4	610.6	608.3	607.7	608.8
35°	587.8	588.0	586.4	585.6	584.0
37.5°	563.0	563.0	560.0	559.5	559.2
40°	535.8	535.5	533.7	531.8	529.9
42.5°	506.2	506.7	503.0	499.8	499.3
45°	473.9	472.1	468.6	464.9	465.2
47.5°	435.9	436.4	431.6	428.6	427.9
50°	396.4	396.4	391.9	388.7	387.1
52.5°	355.2	355.4	351.2	346.9	346.1
55°	313.1	315.7	311.7	306.7	305.6
57.5°	273.7	275.8	272.0	266.7	266.4
60°	237.2	237.4	236.3	231.3	229.9
62.5°	206.0	204.6	204.1	201.4	199.8
65°	176.7	176.9	175.6	172.6	172.1
67.5°	152.9	152.7	150.2	148.4	147.3
70°	129.7	128.9	127.9	126.3	125.3
72.5°	109.0	109.0	108.1	107.6	105.8
75°	90.9	89.8	88.8	89.2	87.1
77.5°	73.6	72.5	71.6	70.6	70.1
80°	55.7	54.6	54.9	53.2	53.0
82.5°	38.6	38.6	38.1	36.8	37.1
85°	22.1	22.4	21.9	22.1	21.0
87.5°	8.0	8.2	8.8	8.2	8.2
90°	0.0	0.0	0.0	0.0	0.0



— 0°-180° - - 45°-225° 90°-270°

(END OF REPORT)