

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: P1050861

Luminaire Tested: 24PTR-20-PP3-L835-UNV-STD-W

Issue Date: 7/11/2025

Test Information

Test Method: LM-79-2019
Report Number: P1050861
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P737727)
Test Lab: INNOVATION CENTER
Issue Date: 7/11/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: 24PTR-20-PP3-L835-UNV-STD-W
Description: 2000 LUMEN 2X4 PERCEIVE PT TROFFER WITH 3500K, 80 CRI LEDS AND PRISM LENS

Light Source:
Ballast/Driver: -

Summary

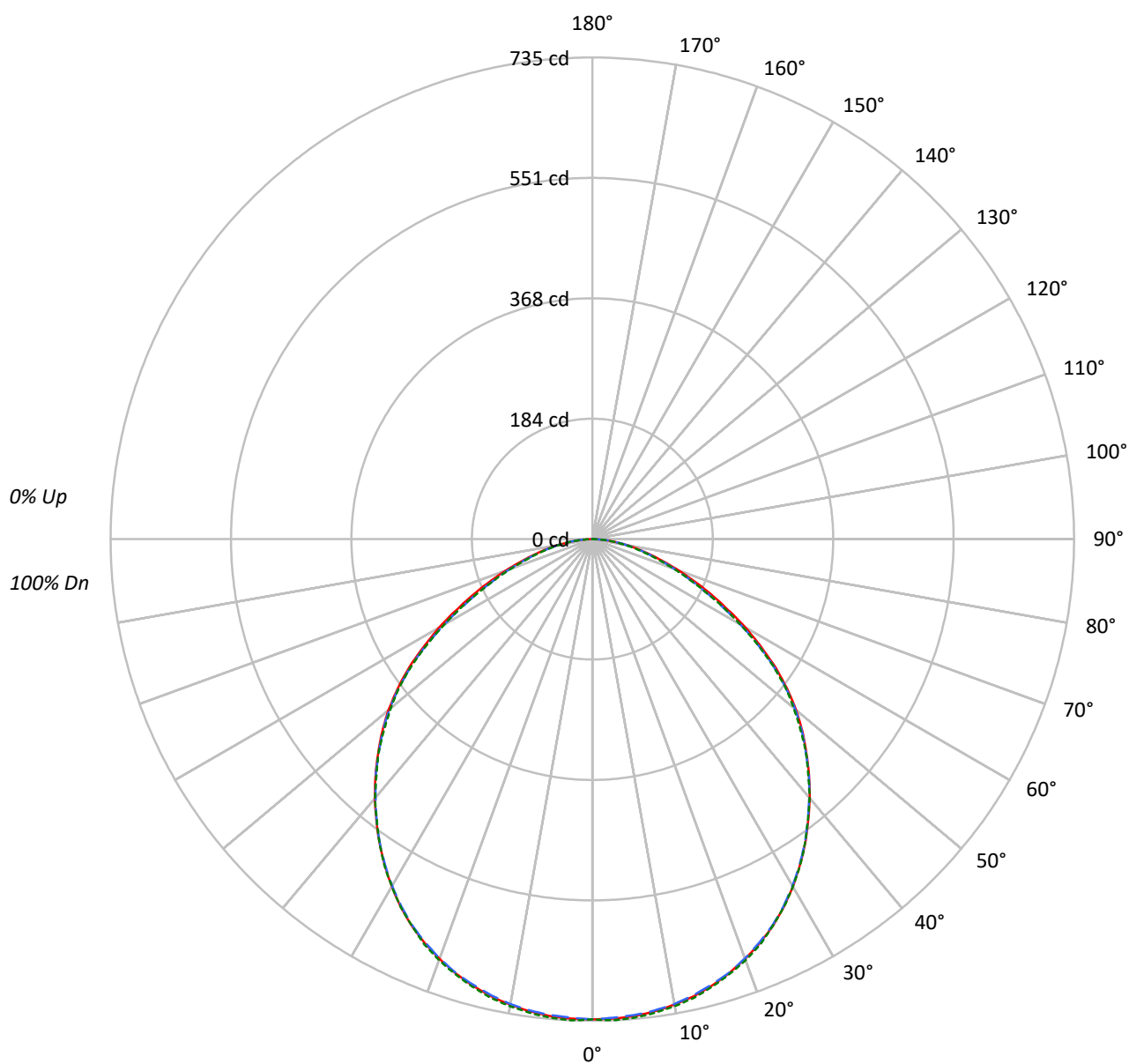
Lumens per Lamp: N/A
Luminaire Lumens: 1893.5 lumens
Efficiency: N/A
Efficacy: 126.2 lumens/watt
Spacing Criteria (0/90/45): 1.24 / 1.24 / 1.34
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

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	109	105	101	97	107	103	99	96	99	96	93	95	92	90	91	89	87	85		
2	100	92	86	80	97	90	84	79	87	82	78	84	79	76	81	77	74	72		
3	92	81	74	67	89	80	73	67	77	71	66	74	69	65	72	67	63	61		
4	84	73	64	58	82	71	63	57	69	62	56	66	60	56	64	59	55	53		
5	77	65	56	50	75	64	56	50	62	55	49	60	54	49	58	52	48	46		
6	72	59	50	44	70	58	50	44	56	49	43	54	48	43	53	47	42	40		
7	66	53	45	39	65	52	44	39	51	44	38	50	43	38	48	42	38	36		
8	62	49	40	35	60	48	40	35	47	39	34	45	39	34	44	38	34	32		
9	58	45	37	31	57	44	36	31	43	36	31	42	35	31	41	35	31	29		
10	54	41	34	28	53	41	33	28	40	33	28	39	33	28	38	32	28	26		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	986	986	986
5°	987	985	990
10°	985	984	989
15°	982	980	985
20°	976	975	979
25°	967	966	967
30°	951	949	951
35°	930	929	930
40°	906	903	906
45°	879	876	878
50°	850	846	840
55°	800	791	788
60°	726	702	703
65°	638	606	605
70°	551	526	520
75°	477	459	449
80°	422	416	397
85°	349	361	340

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°

Vertical Angle: 45°

Luminance: 882 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	69.5	3.7
10°-20°	199.1	10.5
20°-30°	299.7	15.8
30°-40°	353.8	18.7
40°-50°	355.8	18.8
50°-60°	300.4	15.9
60°-70°	192.9	10.2
70°-80°	95.9	5.1
80°-90°	26.3	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°	568.3	30.0
0°-40°	922.1	48.7
0°-60°	1578.3	83.4
0°-90°	1893.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1893.5	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	733	733	733	733	733	
5°	731	731	729	732	733	69
15°	705	705	704	707	707	199
25°	651	652	650	652	651	300
35°	566	567	566	566	566	354
45°	462	464	461	461	461	357
55°	341	341	337	336	336	303
65°	200	197	190	188	190	200
75°	92	91	88	88	86	99
85°	23	23	23	22	22	27
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	732.8	732.8	732.8	732.8	732.8
2.5°	732.5	732.8	730.9	734.4	735.0
5°	730.7	730.9	729.1	732.5	733.0
7.5°	726.9	727.2	725.6	728.8	729.3
10°	721.3	722.2	720.3	723.3	723.7
12.5°	714.5	714.8	712.8	716.3	716.9
15°	705.2	705.4	703.8	707.0	707.0
17.5°	694.5	694.7	693.7	696.4	696.1
20°	681.5	682.3	680.9	682.8	683.8
22.5°	667.4	667.7	666.0	668.5	669.5
25°	651.4	651.6	650.4	651.6	651.2
27.5°	632.8	633.3	631.4	632.8	633.1
30°	612.0	613.4	610.8	611.8	612.0
32.5°	589.7	590.5	588.6	588.9	590.3
35°	566.3	566.6	565.5	566.0	566.0
37.5°	541.1	542.1	540.5	541.3	540.2
40°	516.0	515.0	514.4	515.0	515.7
42.5°	489.6	489.9	489.2	488.6	487.3
45°	462.0	463.6	460.6	461.2	461.2
47.5°	434.9	435.1	433.6	431.9	430.9
50°	405.9	405.9	404.0	402.8	401.1
52.5°	374.2	373.8	371.6	370.3	371.1
55°	341.0	340.7	337.0	335.7	336.0
57.5°	304.6	305.1	299.5	298.2	298.2
60°	269.8	267.1	260.7	258.8	261.2
62.5°	233.2	230.0	223.2	223.2	225.0
65°	200.3	197.4	190.2	188.3	189.9
67.5°	169.4	166.7	160.2	159.1	159.6
70°	140.1	137.8	133.8	131.4	132.2
72.5°	114.9	112.8	110.1	108.3	107.2
75°	91.7	91.2	88.3	87.5	86.4
77.5°	72.6	72.4	70.0	68.9	67.9
80°	54.5	54.2	53.7	52.1	51.3
82.5°	38.9	38.9	38.6	37.2	36.4
85°	22.6	23.4	23.4	22.0	22.0
87.5°	9.1	9.6	9.1	9.1	8.8
90°	0.0	0.0	0.0	0.0	0.0



— 0°-180° - - 45°-225° 90°-270°

(END OF REPORT)