

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: P1050948

Luminaire Tested: 24PTR-90-PR1-L835-UNV-STD-W

Issue Date: 7/11/2025

Test Information

Test Method: LM-79-2019
Report Number: P1050948
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-90-PR1-L835-UNV-STD-W
Description: 9000 LUMEN 2X4 PERCEIVE PT TROFFER WITH 3500K, 80 CRI LEDS AND RIPPLE LENS

Light Source:
Ballast/Driver: -

Summary

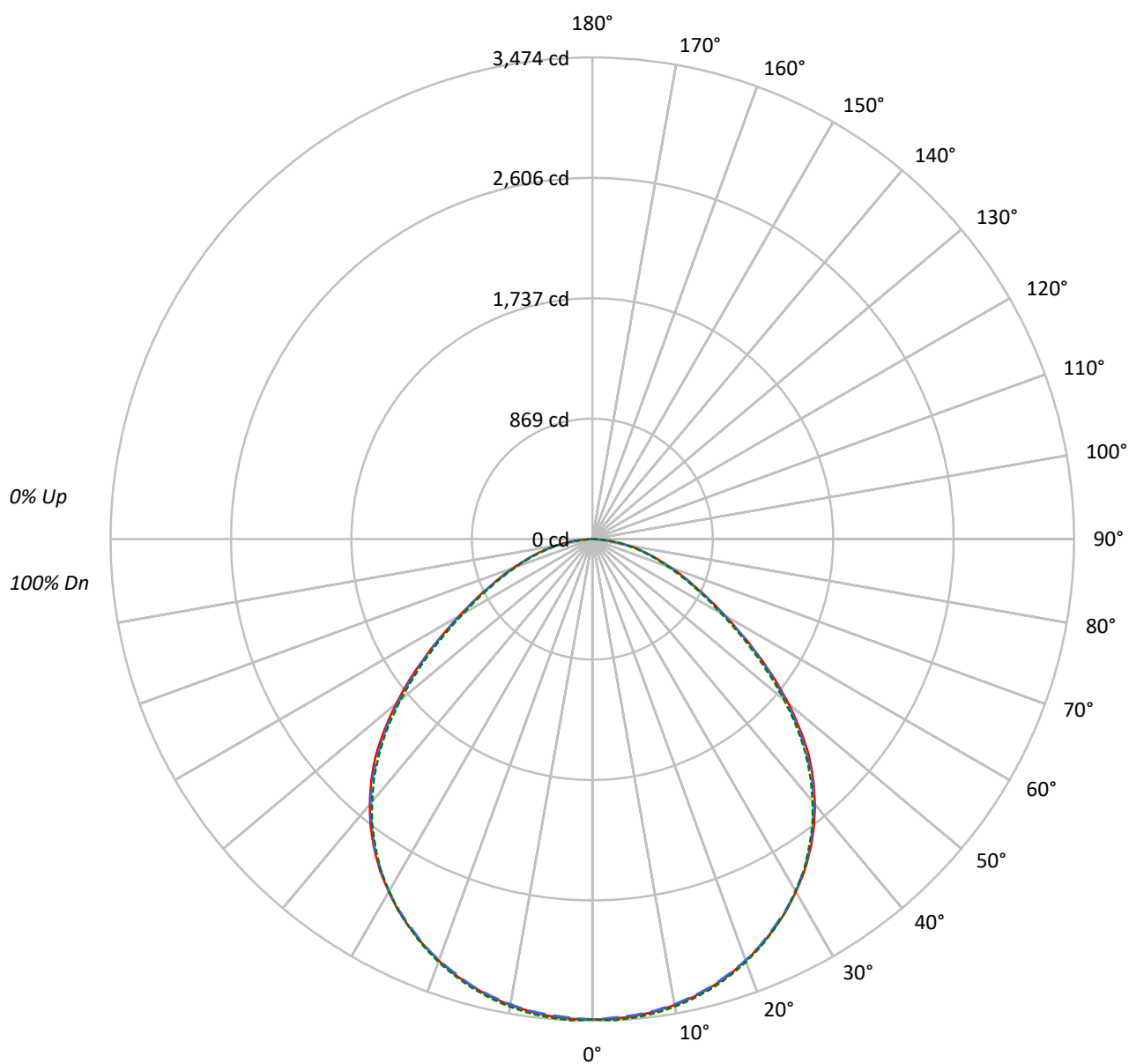
Lumens per Lamp: N/A
Luminaire Lumens: 8761.0 lumens
Efficiency: N/A
Efficacy: 115.3 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.26 / 1.34
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 76
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	102	102	100
1	110	105	101	98	107	103	99	96	99	96	93	95	92	90	91	89	88	88	88	85
2	100	93	86	81	98	91	85	80	87	82	78	84	80	76	81	78	75	75	75	73
3	92	82	74	68	90	80	73	68	78	71	66	75	70	65	72	68	64	64	64	62
4	85	73	65	58	82	72	64	58	69	63	57	67	61	56	65	60	56	56	56	54
5	78	66	57	51	76	65	56	50	62	55	50	61	54	49	59	53	49	49	49	47
6	72	59	51	45	70	58	50	44	57	49	44	55	49	44	53	48	43	43	43	41
7	67	54	45	40	65	53	45	39	52	44	39	50	44	39	49	43	39	39	39	37
8	62	49	41	35	61	49	41	35	47	40	35	46	40	35	45	39	35	35	35	33
9	58	45	37	32	57	45	37	32	44	37	32	43	36	32	42	36	31	31	31	30
10	55	42	34	29	54	41	34	29	40	34	29	39	33	29	39	33	29	29	29	27

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	4661	4661	4661
5°	4665	4655	4681
10°	4661	4654	4679
15°	4653	4646	4668
20°	4633	4628	4646
25°	4603	4592	4608
30°	4562	4557	4551
35°	4499	4489	4470
40°	4386	4368	4337
45°	4203	4156	4125
50°	3867	3823	3776
55°	3423	3407	3341
60°	2974	2963	2883
65°	2621	2606	2554
70°	2378	2344	2297
75°	2202	2151	2111
80°	2010	1982	1915
85°	1589	1575	1511

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 4203 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	328.6	3.8
10°-20°	943.2	10.8
20°-30°	1428.9	16.3
30°-40°	1705.8	19.5
40°-50°	1677.5	19.1
50°-60°	1296.5	14.8
60°-70°	817.6	9.3
70°-80°	442.2	5.0
80°-90°	120.8	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°	2700.7	30.8
0°-40°	4406.4	50.3
0°-60°	7380.5	84.2
0°-90°	8761.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	8761.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3464	3464	3464	3464	3464	
5°	3454	3456	3447	3462	3466	328
15°	3340	3341	3335	3346	3351	943
25°	3101	3103	3093	3103	3104	1429
35°	2739	2740	2733	2729	2722	1710
45°	2209	2200	2184	2167	2168	1691
55°	1459	1471	1453	1429	1424	1309
65°	823	825	818	804	802	828
75°	424	419	414	416	406	450
85°	103	104	102	103	98	122
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3464.2	3464.2	3464.2	3464.2	3464.2
2.5°	3462.9	3464.2	3454.3	3470.6	3474.2
5°	3454.3	3455.7	3446.7	3461.5	3465.6
7.5°	3436.7	3439.4	3430.9	3445.8	3449.4
10°	3411.9	3414.6	3406.1	3420.9	3424.5
12.5°	3381.2	3382.1	3374.9	3388.5	3392.1
15°	3340.2	3341.1	3335.2	3346.1	3351.0
17.5°	3292.8	3294.2	3285.6	3299.1	3301.4
20°	3236.0	3236.9	3231.9	3243.2	3244.5
22.5°	3172.4	3175.1	3167.4	3177.3	3178.7
25°	3100.6	3102.9	3093.0	3102.9	3104.2
27.5°	3024.8	3025.7	3017.2	3024.8	3023.5
30°	2936.4	2944.1	2932.8	2930.1	2929.2
32.5°	2844.8	2845.7	2834.9	2832.2	2837.2
35°	2739.3	2740.2	2733.0	2729.4	2721.7
37.5°	2623.8	2623.8	2609.8	2607.5	2606.2
40°	2497.0	2495.7	2487.1	2478.5	2469.5
42.5°	2359.0	2361.7	2344.1	2329.2	2326.9
45°	2208.7	2200.2	2183.9	2166.8	2168.1
47.5°	2031.4	2033.7	2011.6	1997.6	1994.0
50°	1847.4	1847.4	1826.6	1811.7	1804.1
52.5°	1655.2	1656.6	1636.7	1616.9	1612.8
55°	1459.0	1471.1	1452.6	1429.2	1424.2
57.5°	1275.4	1285.3	1267.7	1242.9	1241.5
60°	1105.3	1106.2	1101.2	1077.8	1071.4
62.5°	960.0	953.7	951.0	938.8	931.1
65°	823.3	824.7	818.4	804.4	802.1
67.5°	712.8	711.4	700.2	691.6	686.6
70°	604.5	600.9	595.9	588.7	583.8
72.5°	508.0	508.0	503.9	501.7	493.1
75°	423.6	418.7	413.7	415.9	406.0
77.5°	342.9	337.9	333.8	328.9	326.6
80°	259.4	254.4	255.8	248.1	247.2
82.5°	180.0	180.0	177.7	171.4	172.8
85°	102.9	104.2	102.0	102.9	97.9
87.5°	37.4	38.3	41.1	38.3	38.3
90°	0.0	0.0	0.0	0.0	0.0



— 0°-180° - - 45°-225° 90°-270°

(END OF REPORT)