

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: P1050640

Luminaire Tested: 24PTR-90-PC3-L835-UNV-STD-W

Issue Date: 7/11/2025

Test Information

Test Method: LM-79-2019
Report Number: P1050640
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P737711)
Test Lab: INNOVATION CENTER
Issue Date: 7/11/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: 24PTR-90-PC3-L835-UNV-STD-W
Description: 9000 LUMEN 2X4 PERCEIVE PT TROFFER WITH 3500K, 80 CRI LEDS AND PARAMID LENS

Light Source:
Ballast/Driver: -

Summary

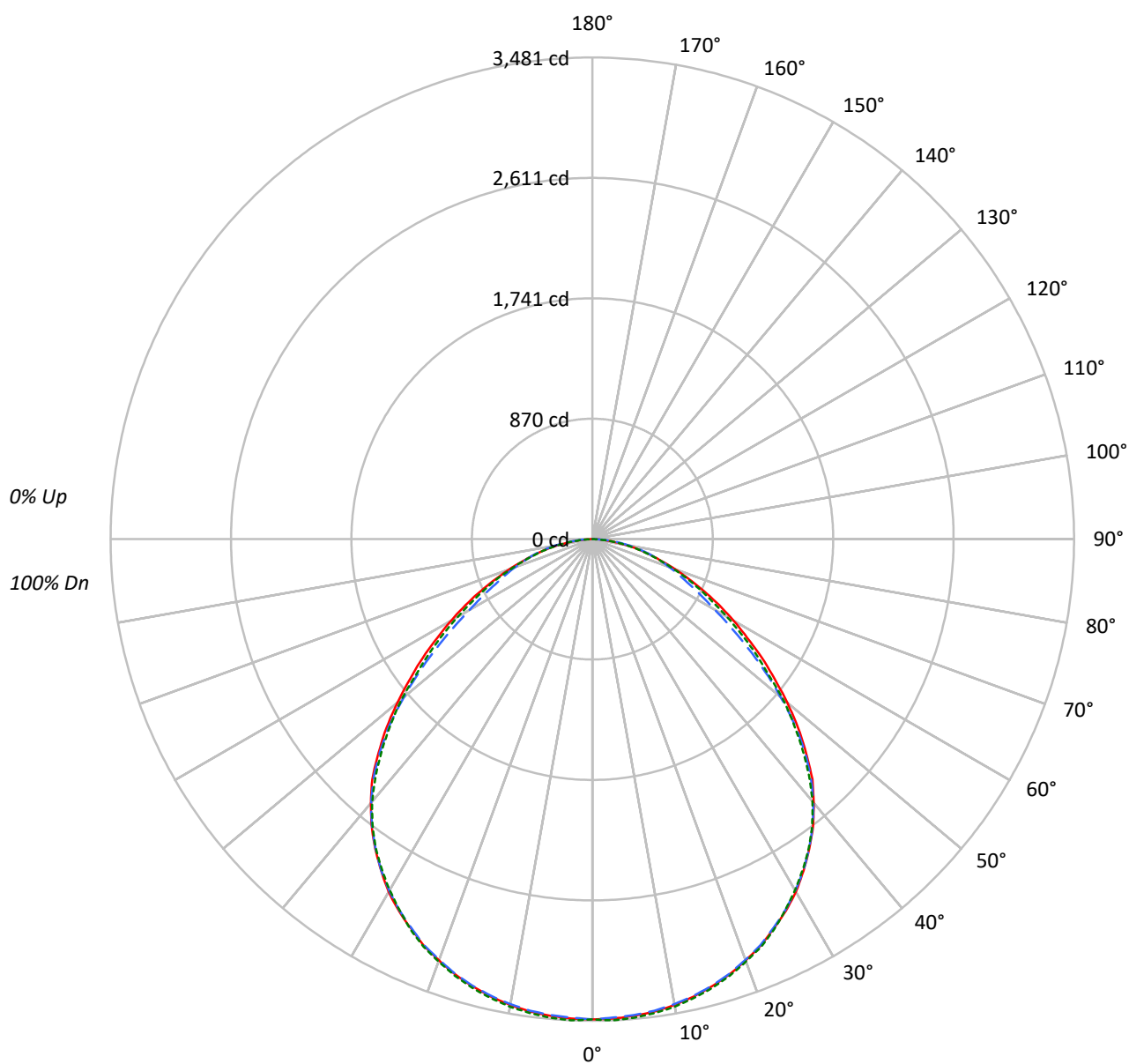
Lumens per Lamp: N/A
Luminaire Lumens: 8750.4 lumens
Efficiency: N/A
Efficacy: 115.1 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.25 / 1.34
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

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	100		
1	110	105	101	98	107	103	99	96	99	96	93	95	92	90	91	89	87	85		
2	100	93	86	81	98	91	85	80	87	82	78	84	80	76	81	78	75	72		
3	92	82	74	68	90	80	73	68	77	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	46	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	40	33	29	39	33	29	27		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	4670	4670	4670
5°	4671	4663	4690
10°	4671	4662	4688
15°	4660	4655	4676
20°	4639	4632	4652
25°	4608	4600	4618
30°	4573	4558	4550
35°	4490	4486	4478
40°	4372	4365	4345
45°	4157	4126	4084
50°	3848	3719	3760
55°	3512	3227	3372
60°	3167	2753	3020
65°	2830	2463	2715
70°	2511	2330	2441
75°	2220	2258	2176
80°	1915	2156	1905
85°	1434	1706	1434

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°

Vertical Angle: 45°

Luminance: 4167 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	329.2	3.8
10°-20°	944.9	10.8
20°-30°	1430.6	16.3
30°-40°	1705.6	19.5
40°-50°	1666.6	19.0
50°-60°	1274.4	14.6
60°-70°	818.2	9.4
70°-80°	455.2	5.2
80°-90°	125.7	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°	2704.7	30.9
0°-40°	4410.4	50.4
0°-60°	7351.3	84.0
0°-90°	8750.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	8750.4	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3471	3471	3471	3471	3471	
5°	3459	3461	3452	3469	3472	329
15°	3345	3348	3342	3353	3357	944
25°	3104	3107	3099	3109	3111	1431
35°	2734	2736	2731	2730	2726	1708
45°	2185	2190	2169	2164	2146	1681
55°	1497	1445	1376	1393	1438	1338
65°	889	820	774	799	853	887
75°	427	431	434	428	419	456
85°	93	109	110	107	93	114
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3470.8	3470.8	3470.8	3470.8	3470.8
2.5°	3468.6	3469.9	3460.9	3475.8	3480.7
5°	3458.6	3460.9	3452.3	3468.6	3472.2
7.5°	3443.8	3446.0	3437.4	3453.7	3455.0
10°	3418.9	3420.3	3412.6	3428.9	3431.1
12.5°	3385.6	3389.2	3380.6	3395.5	3396.4
15°	3345.4	3348.1	3341.8	3353.1	3356.7
17.5°	3298.5	3299.9	3293.6	3305.7	3307.1
20°	3239.9	3239.9	3234.9	3248.9	3248.9
22.5°	3180.3	3176.7	3175.4	3180.3	3188.0
25°	3103.7	3107.3	3098.7	3108.6	3110.9
27.5°	3029.2	3029.2	3021.6	3026.5	3020.2
30°	2943.5	2938.6	2933.6	2934.5	2928.7
32.5°	2840.3	2840.3	2838.0	2838.0	2830.3
35°	2733.8	2736.1	2731.1	2729.7	2726.1
37.5°	2619.2	2623.3	2614.3	2612.0	2609.3
40°	2488.9	2488.9	2485.3	2480.3	2474.0
42.5°	2353.6	2353.6	2337.8	2325.2	2316.6
45°	2184.9	2189.8	2168.6	2163.7	2146.5
47.5°	2017.1	2013.5	1985.1	1981.5	1971.5
50°	1838.5	1817.3	1776.7	1787.5	1796.5
52.5°	1659.9	1633.7	1574.2	1586.3	1601.2
55°	1497.0	1445.2	1375.7	1392.8	1437.5
57.5°	1327.0	1257.5	1188.1	1220.5	1276.0
60°	1176.8	1098.8	1023.0	1057.7	1122.2
62.5°	1032.9	949.9	889.0	922.4	977.0
65°	889.0	820.5	773.5	799.3	852.9
67.5°	757.3	711.3	679.3	691.5	734.8
70°	638.2	609.4	592.2	595.8	620.6
72.5°	525.0	517.8	511.5	511.5	513.7
75°	427.1	430.8	434.4	428.5	418.6
77.5°	336.5	348.7	357.7	345.1	332.9
80°	247.2	267.0	278.3	264.3	245.8
82.5°	168.7	191.2	194.9	186.3	165.1
85°	92.9	109.2	110.5	106.9	92.9
87.5°	34.7	41.0	44.7	41.0	36.1
90°	0.0	0.0	0.0	0.0	0.0



— 0°-180° - - 45°-225° 90°-270°

(END OF REPORT)