

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: P1050638

Luminaire Tested: 24PTR-80-PC3-L835-UNV-STD-W

Issue Date: 7/11/2025

Test Information

Test Method: LM-79-2019
Report Number: P1050638
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-80-PC3-L835-UNV-STD-W
Description: 8000 LUMEN 2X4 PERCEIVE PT TROFFER WITH 3500K, 80 CRI LEDS AND PARAMID LENS

Light Source:
Ballast/Driver: -

Summary

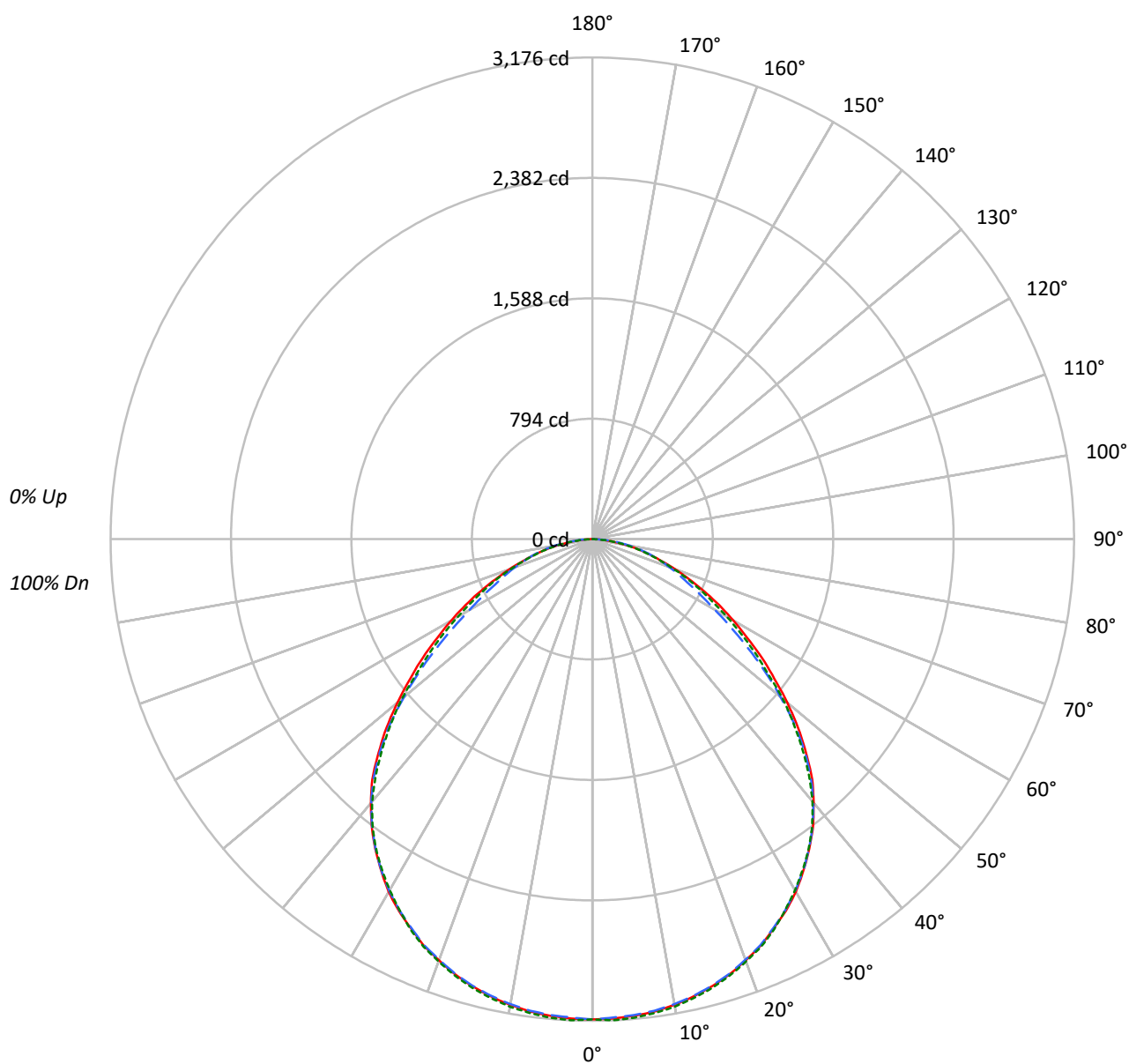
Lumens per Lamp: N/A
Luminaire Lumens: 7983.1 lumens
Efficiency: N/A
Efficacy: 117.4 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.25 / 1.34
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 68
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°	4260	4260	4260
5°	4262	4254	4278
10°	4262	4254	4277
15°	4251	4247	4266
20°	4232	4226	4244
25°	4204	4197	4213
30°	4172	4158	4151
35°	4097	4093	4085
40°	3988	3982	3964
45°	3793	3765	3726
50°	3511	3393	3431
55°	3204	2944	3076
60°	2889	2511	2755
65°	2582	2247	2477
70°	2291	2126	2227
75°	2026	2060	1985
80°	1747	1967	1738
85°	1309	1556	1309

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°

Vertical Angle: 45°

Luminance: 3801 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	300.3	3.8
10°-20°	862.1	10.8
20°-30°	1305.2	16.3
30°-40°	1556.1	19.5
40°-50°	1520.5	19.0
50°-60°	1162.6	14.6
60°-70°	746.4	9.4
70°-80°	415.3	5.2
80°-90°	114.7	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°	2467.6	30.9
0°-40°	4023.6	50.4
0°-60°	6706.7	84.0
0°-90°	7983.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7983.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3166	3166	3166	3166	3166	
5°	3155	3157	3150	3164	3168	300
15°	3052	3055	3049	3059	3062	861
25°	2832	2835	2827	2836	2838	1306
35°	2494	2496	2492	2490	2487	1558
45°	1993	1998	1978	1974	1958	1534
55°	1366	1318	1255	1271	1311	1221
65°	811	748	706	729	778	809
75°	390	393	396	391	382	416
85°	85	100	101	98	85	104
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3166.5	3166.5	3166.5	3166.5	3166.5
2.5°	3164.4	3165.7	3157.4	3171.0	3175.5
5°	3155.4	3157.4	3149.6	3164.4	3167.7
7.5°	3141.8	3143.8	3136.0	3150.8	3152.1
10°	3119.2	3120.4	3113.4	3128.2	3130.3
12.5°	3088.7	3092.0	3084.2	3097.8	3098.6
15°	3052.1	3054.6	3048.8	3059.1	3062.4
17.5°	3009.3	3010.5	3004.8	3015.9	3017.1
20°	2955.8	2955.8	2951.3	2964.0	2964.0
22.5°	2901.5	2898.2	2896.9	2901.5	2908.5
25°	2831.5	2834.8	2827.0	2836.0	2838.1
27.5°	2763.6	2763.6	2756.6	2761.2	2755.4
30°	2685.4	2680.9	2676.4	2677.2	2671.9
32.5°	2591.2	2591.2	2589.1	2589.1	2582.2
35°	2494.1	2496.1	2491.6	2490.4	2487.1
37.5°	2389.6	2393.3	2385.0	2383.0	2380.5
40°	2270.6	2270.6	2267.4	2262.8	2257.1
42.5°	2147.2	2147.2	2132.8	2121.3	2113.5
45°	1993.3	1997.8	1978.5	1974.0	1958.3
47.5°	1840.2	1836.9	1811.0	1807.7	1798.7
50°	1677.3	1657.9	1620.9	1630.8	1639.0
52.5°	1514.3	1490.4	1436.1	1447.2	1460.8
55°	1365.8	1318.4	1255.1	1270.7	1311.4
57.5°	1210.6	1147.3	1083.9	1113.5	1164.1
60°	1073.6	1002.4	933.3	965.0	1023.8
62.5°	942.3	866.6	811.1	841.5	891.3
65°	811.1	748.5	705.7	729.2	778.1
67.5°	690.9	648.9	619.7	630.8	670.3
70°	582.3	555.9	540.3	543.6	566.2
72.5°	479.0	472.4	466.6	466.6	468.7
75°	389.7	393.0	396.3	390.9	381.9
77.5°	307.0	318.1	326.3	314.8	303.7
80°	225.5	243.6	253.9	241.1	224.3
82.5°	153.9	174.5	177.8	169.9	150.6
85°	84.8	99.6	100.8	97.5	84.8
87.5°	31.7	37.4	40.7	37.4	32.9
90°	0.0	0.0	0.0	0.0	0.0



— 0°-180° - - 45°-225° 90°-270°

(END OF REPORT)