

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: P1050571

Luminaire Tested: 24PTR-72-PB1-L840-UNV-STD-W

Issue Date: 7/11/2025

Test Information

Test Method: LM-79-2019
Report Number: P1050571
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P737703)
Test Lab: INNOVATION CENTER
Issue Date: 7/11/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: 24PTR-72-PB1-L840-UNV-STD-W
Description: 7200 LUMEN 2X4 PERCEIVE PT TROFFER WITH 4000K, 80 CRI LEDS AND FROSTED LENS

Light Source:
Ballast/Driver: -

Summary

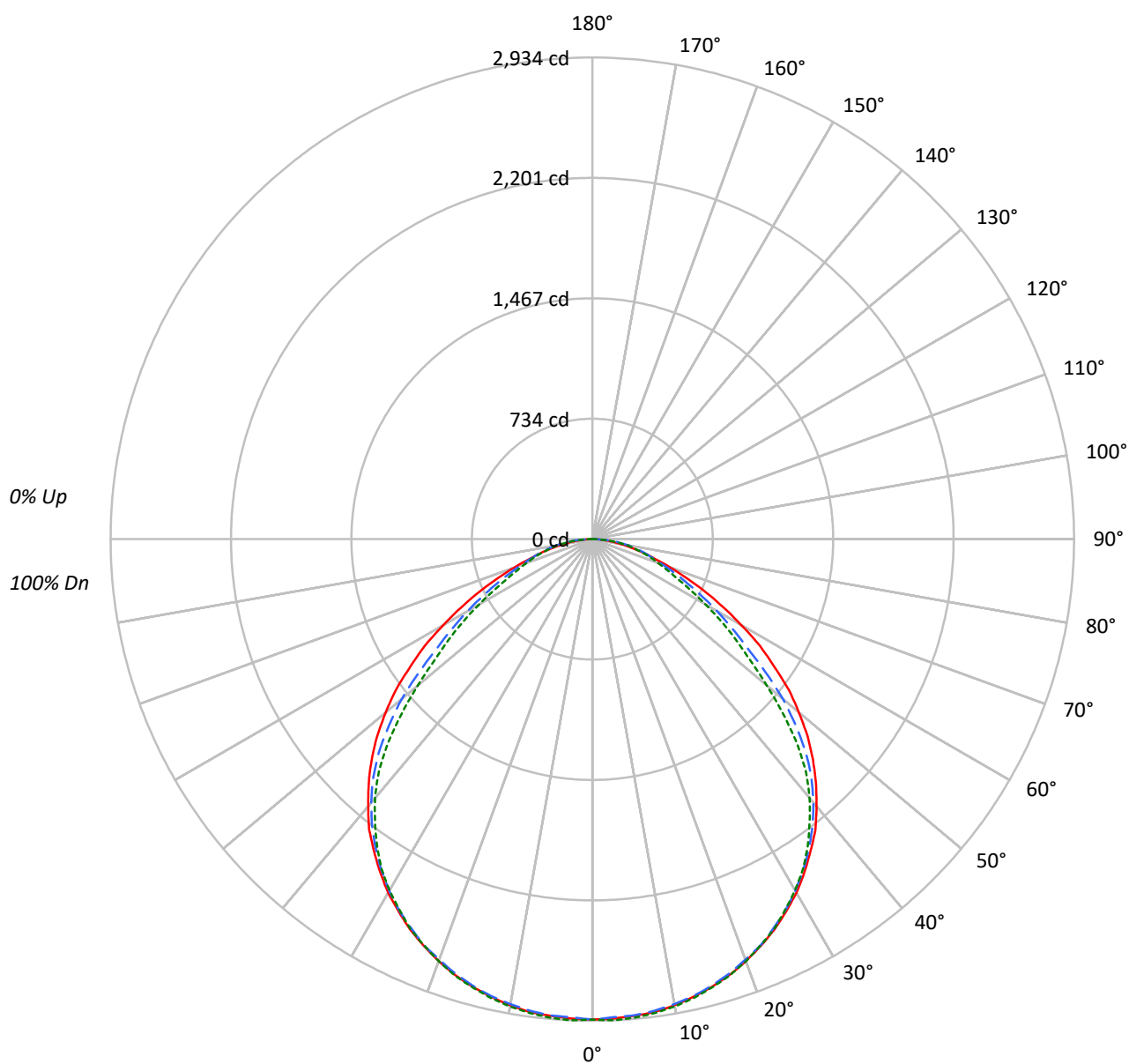
Lumens per Lamp: N/A
Luminaire Lumens: 7297.3 lumens
Efficiency: N/A
Efficacy: 121.6 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.25 / 1.34
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 60
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	93	90	91	89	88	86		
2	100	93	86	81	98	91	85	80	87	83	78	84	80	77	81	78	75	73		
3	92	82	75	69	90	81	74	68	78	72	67	75	70	66	73	68	64	62		
4	85	73	65	59	83	72	64	58	70	63	58	67	62	57	65	60	56	54		
5	78	66	57	51	76	65	57	51	63	56	50	61	55	50	59	54	49	47		
6	72	60	51	45	71	59	51	45	57	50	44	55	49	44	54	48	44	42		
7	67	54	46	40	66	53	45	40	52	45	39	51	44	39	49	43	39	37		
8	63	50	41	36	61	49	41	36	48	41	35	46	40	35	45	39	35	33		
9	59	46	38	32	57	45	37	32	44	37	32	43	36	32	42	36	32	30		
10	55	42	34	29	54	42	34	29	41	34	29	40	33	29	39	33	29	27		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	3938	3938	3938
5°	3938	3933	3953
10°	3939	3930	3949
15°	3931	3921	3936
20°	3917	3902	3917
25°	3896	3880	3890
30°	3865	3842	3836
35°	3808	3778	3755
40°	3730	3680	3616
45°	3616	3500	3356
50°	3436	3172	2901
55°	3167	2694	2499
60°	2819	2354	2141
65°	2418	2040	1823
70°	1996	1799	1671
75°	1684	1721	1629
80°	1423	1757	1675
85°	1115	1780	1558

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 3616 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	277.5	3.8
10°-20°	796.2	10.9
20°-30°	1206.1	16.5
30°-40°	1437.1	19.7
40°-50°	1405.4	19.3
50°-60°	1063.0	14.6
60°-70°	653.1	8.9
70°-80°	347.9	4.8
80°-90°	111.0	1.5
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°	2279.8	31.2
0°-40°	3716.9	50.9
0°-60°	6185.3	84.8
0°-90°	7297.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7297.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2926	2926	2926	2926	2926	
5°	2916	2919	2912	2923	2926	277
15°	2822	2826	2815	2826	2826	796
25°	2624	2620	2613	2617	2620	1209
35°	2318	2315	2300	2289	2286	1450
45°	1900	1890	1839	1778	1764	1462
55°	1350	1282	1148	1083	1065	1209
65°	760	698	641	590	572	756
75°	324	328	331	320	313	347
85°	72	94	115	108	101	87
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2926.5	2926.5	2926.5	2926.5	2926.5
2.5°	2923.1	2926.5	2915.5	2930.3	2933.7
5°	2915.5	2919.3	2912.1	2923.1	2926.5
7.5°	2904.9	2904.9	2897.8	2908.3	2912.1
10°	2883.4	2883.4	2876.2	2886.8	2890.6
12.5°	2854.7	2854.7	2850.9	2858.1	2861.9
15°	2822.2	2825.6	2815.0	2825.6	2825.6
17.5°	2782.5	2779.1	2775.3	2782.5	2786.3
20°	2735.6	2735.6	2725.1	2732.2	2735.6
22.5°	2681.6	2681.6	2678.2	2681.6	2678.2
25°	2624.2	2620.4	2613.2	2617.0	2620.4
27.5°	2555.8	2555.8	2548.6	2548.6	2544.8
30°	2487.4	2483.6	2473.0	2465.8	2469.2
32.5°	2404.6	2400.8	2390.2	2383.1	2386.5
35°	2318.1	2314.7	2300.3	2289.3	2285.9
37.5°	2231.9	2220.9	2202.8	2188.4	2174.1
40°	2123.8	2112.9	2095.1	2062.6	2058.8
42.5°	2015.7	2005.1	1976.1	1936.7	1925.8
45°	1900.5	1889.9	1839.3	1778.0	1763.7
47.5°	1778.0	1760.3	1680.9	1605.3	1576.6
50°	1641.6	1609.1	1515.4	1418.3	1385.8
52.5°	1508.2	1450.8	1328.3	1241.8	1209.7
55°	1349.9	1281.5	1148.4	1083.4	1065.3
57.5°	1209.7	1115.9	1007.9	943.2	928.9
60°	1047.5	961.0	874.8	817.0	795.5
62.5°	899.8	824.2	752.4	701.8	676.8
65°	759.6	698.4	640.9	590.3	572.5
67.5°	622.8	590.3	543.4	504.1	493.2
70°	507.5	489.4	457.3	439.1	424.8
72.5°	403.2	410.4	388.9	381.7	370.7
75°	323.9	327.6	331.0	320.5	313.3
77.5°	244.9	262.6	277.0	269.8	262.6
80°	183.7	201.4	226.7	216.2	216.2
82.5°	125.8	147.8	169.3	162.1	158.3
85°	72.2	93.7	115.3	108.1	100.9
87.5°	28.7	46.9	50.3	50.3	46.9
90°	0.0	0.0	0.0	0.0	0.0



— 0°-180° - - 45°-225° 90°-270°

(END OF REPORT)