

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: P1050648

Luminaire Tested: 24PTR-72-PC3-L840-UNV-STD-W

Issue Date: 7/11/2025

Test Information

Test Method: LM-79-2019
Report Number: P1050648
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-72-PC3-L840-UNV-STD-W
Description: 7200 LUMEN 2X4 PERCEIVE PT TROFFER WITH 4000K, 80 CRI LEDS AND PARAMID LENS

Light Source:
Ballast/Driver: -

Summary

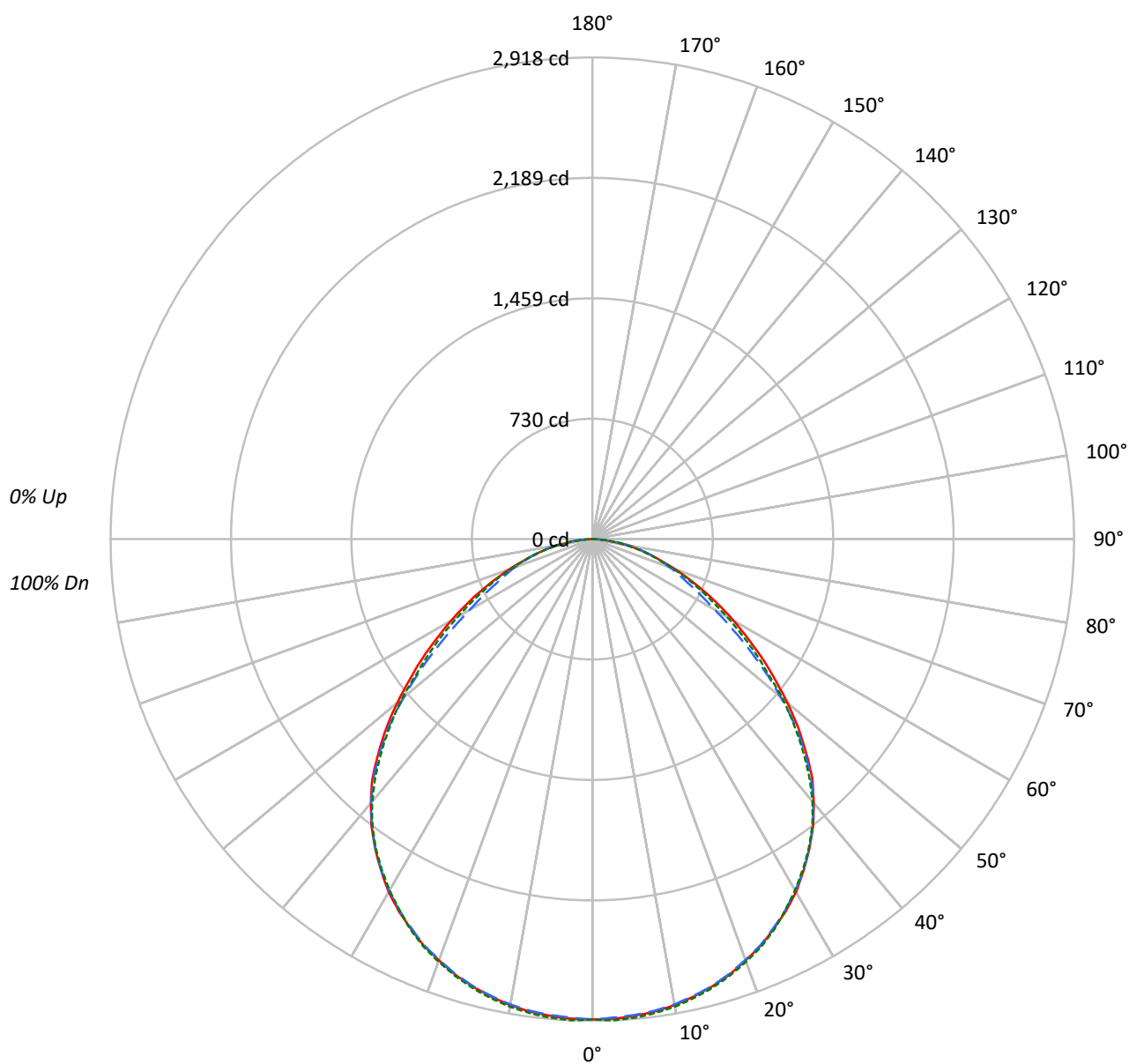
Lumens per Lamp: N/A
Luminaire Lumens: 7336.1 lumens
Efficiency: N/A
Efficacy: 122.3 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.25 / 1.34
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

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	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°	3915	3915	3915
5°	3916	3909	3932
10°	3916	3909	3930
15°	3907	3903	3920
20°	3889	3883	3900
25°	3863	3857	3872
30°	3834	3821	3815
35°	3765	3761	3754
40°	3665	3660	3643
45°	3486	3459	3424
50°	3226	3118	3153
55°	2944	2706	2827
60°	2655	2308	2532
65°	2373	2065	2277
70°	2105	1953	2047
75°	1862	1893	1824
80°	1605	1808	1597
85°	1203	1430	1203

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°

Vertical Angle: 45°

Luminance: 3493 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	276.0	3.8
10°-20°	792.2	10.8
20°-30°	1199.4	16.3
30°-40°	1430.0	19.5
40°-50°	1397.2	19.0
50°-60°	1068.4	14.6
60°-70°	685.9	9.4
70°-80°	381.6	5.2
80°-90°	105.4	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°	2267.6	30.9
0°-40°	3697.5	50.4
0°-60°	6163.2	84.0
0°-90°	7336.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7336.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2910	2910	2910	2910	2910	
5°	2900	2902	2894	2908	2911	276
15°	2805	2807	2802	2811	2814	792
25°	2602	2605	2598	2606	2608	1200
35°	2292	2294	2290	2289	2286	1432
45°	1832	1836	1818	1814	1800	1409
55°	1255	1212	1153	1168	1205	1122
65°	745	688	648	670	715	743
75°	358	361	364	359	351	383
85°	78	92	93	90	78	96
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2909.9	2909.9	2909.9	2909.9	2909.9
2.5°	2908.0	2909.1	2901.5	2914.0	2918.2
5°	2899.6	2901.5	2894.3	2908.0	2911.0
7.5°	2887.2	2889.1	2881.9	2895.5	2896.6
10°	2866.4	2867.5	2861.1	2874.7	2876.6
12.5°	2838.4	2841.4	2834.2	2846.7	2847.5
15°	2804.7	2807.0	2801.7	2811.2	2814.2
17.5°	2765.4	2766.5	2761.2	2771.5	2772.6
20°	2716.2	2716.2	2712.1	2723.8	2723.8
22.5°	2666.3	2663.3	2662.2	2666.3	2672.8
25°	2602.0	2605.1	2597.9	2606.2	2608.1
27.5°	2539.6	2539.6	2533.2	2537.4	2532.1
30°	2467.8	2463.6	2459.5	2460.2	2455.3
32.5°	2381.2	2381.2	2379.3	2379.3	2372.9
35°	2292.0	2293.8	2289.7	2288.6	2285.5
37.5°	2195.9	2199.3	2191.7	2189.9	2187.6
40°	2086.6	2086.6	2083.6	2079.4	2074.1
42.5°	1973.2	1973.2	1959.9	1949.4	1942.2
45°	1831.8	1835.9	1818.1	1814.0	1799.6
47.5°	1691.1	1688.1	1664.2	1661.2	1652.9
50°	1541.3	1523.6	1489.5	1498.6	1506.2
52.5°	1391.6	1369.7	1319.7	1329.9	1342.4
55°	1255.1	1211.6	1153.4	1167.7	1205.2
57.5°	1112.5	1054.3	996.0	1023.3	1069.8
60°	986.6	921.2	857.6	886.8	940.8
62.5°	866.0	796.4	745.3	773.3	819.1
65°	745.3	687.9	648.5	670.1	715.1
67.5°	634.9	596.3	569.5	579.7	616.0
70°	535.1	510.9	496.5	499.5	520.3
72.5°	440.2	434.1	428.8	428.8	430.7
75°	358.1	361.1	364.2	359.2	350.9
77.5°	282.1	292.3	299.9	289.3	279.1
80°	207.2	223.9	233.3	221.6	206.1
82.5°	141.4	160.3	163.4	156.2	138.4
85°	77.9	91.5	92.6	89.6	77.9
87.5°	29.1	34.4	37.4	34.4	30.3
90°	0.0	0.0	0.0	0.0	0.0



— 0°-180° - - 45°-225° 90°-270°

(END OF REPORT)