

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: P1050692

Luminaire Tested: 24PTR-72-PC3-L940-UNV-STD-W

Issue Date: 7/11/2025

Test Information

Test Method: LM-79-2019
Report Number: P1050692
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-L940-UNV-STD-W
Description: 7200 LUMEN 2X4 PERCEIVE PT TROFFER WITH 4000K, 90 CRI LEDS AND PARAMID LENS

Light Source:
Ballast/Driver: -

Summary

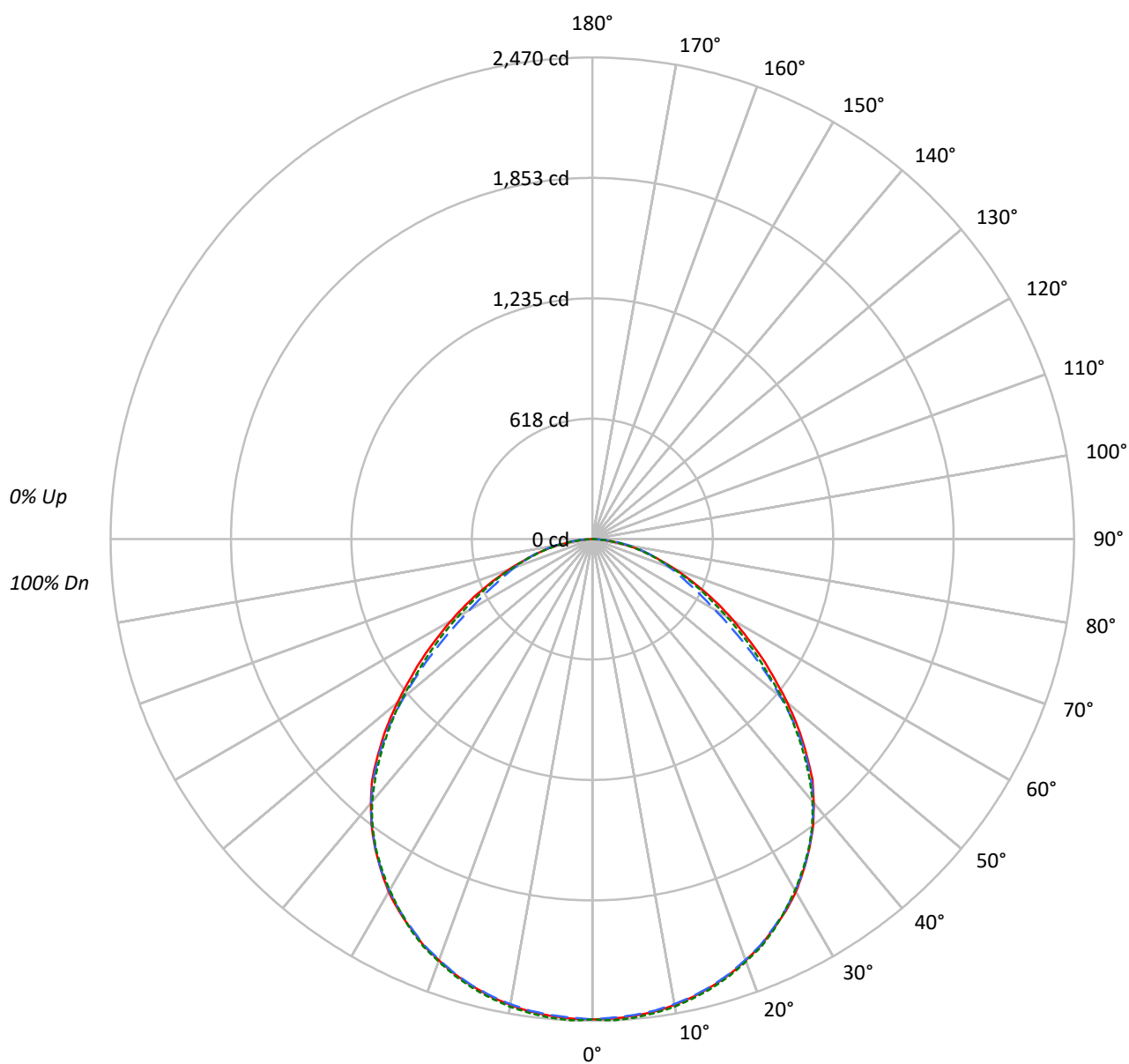
Lumens per Lamp: N/A
Luminaire Lumens: 6208.9 lumens
Efficiency: N/A
Efficacy: 103.5 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.25 / 1.34
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

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°	3314	3314	3314
5°	3315	3309	3328
10°	3315	3308	3326
15°	3307	3303	3318
20°	3292	3287	3301
25°	3269	3264	3277
30°	3245	3234	3229
35°	3186	3183	3177
40°	3102	3097	3083
45°	2950	2928	2898
50°	2731	2639	2668
55°	2492	2290	2393
60°	2247	1953	2143
65°	2008	1748	1927
70°	1782	1653	1733
75°	1576	1602	1544
80°	1359	1530	1351
85°	1017	1210	1017

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°

Vertical Angle: 45°

Luminance: 2957 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	233.6	3.8
10°-20°	670.5	10.8
20°-30°	1015.1	16.3
30°-40°	1210.3	19.5
40°-50°	1182.6	19.0
50°-60°	904.2	14.6
60°-70°	580.5	9.4
70°-80°	323.0	5.2
80°-90°	89.2	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°	1919.2	30.9
0°-40°	3129.4	50.4
0°-60°	5216.2	84.0
0°-90°	6208.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6208.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2463	2463	2463	2463	2463	
5°	2454	2456	2450	2461	2464	233
15°	2374	2376	2371	2379	2382	670
25°	2202	2205	2199	2206	2207	1016
35°	1940	1941	1938	1937	1934	1212
45°	1550	1554	1539	1535	1523	1193
55°	1062	1025	976	988	1020	950
65°	631	582	549	567	605	629
75°	303	306	308	304	297	324
85°	66	78	78	76	66	81
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2462.8	2462.8	2462.8	2462.8	2462.8
2.5°	2461.2	2462.1	2455.7	2466.3	2469.8
5°	2454.1	2455.7	2449.7	2461.2	2463.7
7.5°	2443.6	2445.2	2439.1	2450.6	2451.6
10°	2426.0	2426.9	2421.5	2433.0	2434.6
12.5°	2402.3	2404.8	2398.8	2409.3	2410.0
15°	2373.8	2375.7	2371.2	2379.2	2381.8
17.5°	2340.5	2341.5	2337.0	2345.6	2346.6
20°	2298.9	2298.9	2295.4	2305.3	2305.3
22.5°	2256.7	2254.1	2253.1	2256.7	2262.1
25°	2202.3	2204.8	2198.7	2205.8	2207.4
27.5°	2149.4	2149.4	2144.0	2147.5	2143.0
30°	2088.6	2085.1	2081.6	2082.2	2078.1
32.5°	2015.3	2015.3	2013.7	2013.7	2008.3
35°	1939.8	1941.4	1937.9	1936.9	1934.4
37.5°	1858.5	1861.4	1855.0	1853.4	1851.5
40°	1766.0	1766.0	1763.5	1759.9	1755.5
42.5°	1670.0	1670.0	1658.8	1649.9	1643.8
45°	1550.3	1553.8	1538.8	1535.3	1523.1
47.5°	1431.3	1428.7	1408.5	1406.0	1398.9
50°	1304.5	1289.5	1260.7	1268.4	1274.8
52.5°	1177.8	1159.2	1117.0	1125.6	1136.2
55°	1062.2	1025.4	976.1	988.3	1020.0
57.5°	941.6	892.3	843.0	866.1	905.4
60°	835.0	779.6	725.9	750.5	796.3
62.5°	732.9	674.0	630.8	654.5	693.2
65°	630.8	582.2	548.9	567.1	605.2
67.5°	537.4	504.7	482.0	490.6	521.4
70°	452.9	432.4	420.2	422.8	440.4
72.5°	372.5	367.4	362.9	362.9	364.5
75°	303.1	305.6	308.2	304.0	297.0
77.5°	238.8	247.4	253.8	244.8	236.2
80°	175.4	189.5	197.5	187.5	174.4
82.5°	119.7	135.7	138.3	132.2	117.1
85°	65.9	77.5	78.4	75.9	65.9
87.5°	24.6	29.1	31.7	29.1	25.6
90°	0.0	0.0	0.0	0.0	0.0



— 0°-180° - - 45°-225° 90°-270°

(END OF REPORT)