

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: P1051000

Luminaire Tested: 24PTR-72-PR1-L940-UNV-STD-W

Issue Date: 7/11/2025

Test Information

Test Method: LM-79-2019
Report Number: P1051000
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P737735)
Test Lab: INNOVATION CENTER
Issue Date: 7/11/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: 24PTR-72-PR1-L940-UNV-STD-W
Description: 7200 LUMEN 2X4 PERCEIVE PT TROFFER WITH 4000K, 90 CRI LEDS AND RIPPLE LENS

Light Source:
Ballast/Driver: -

Summary

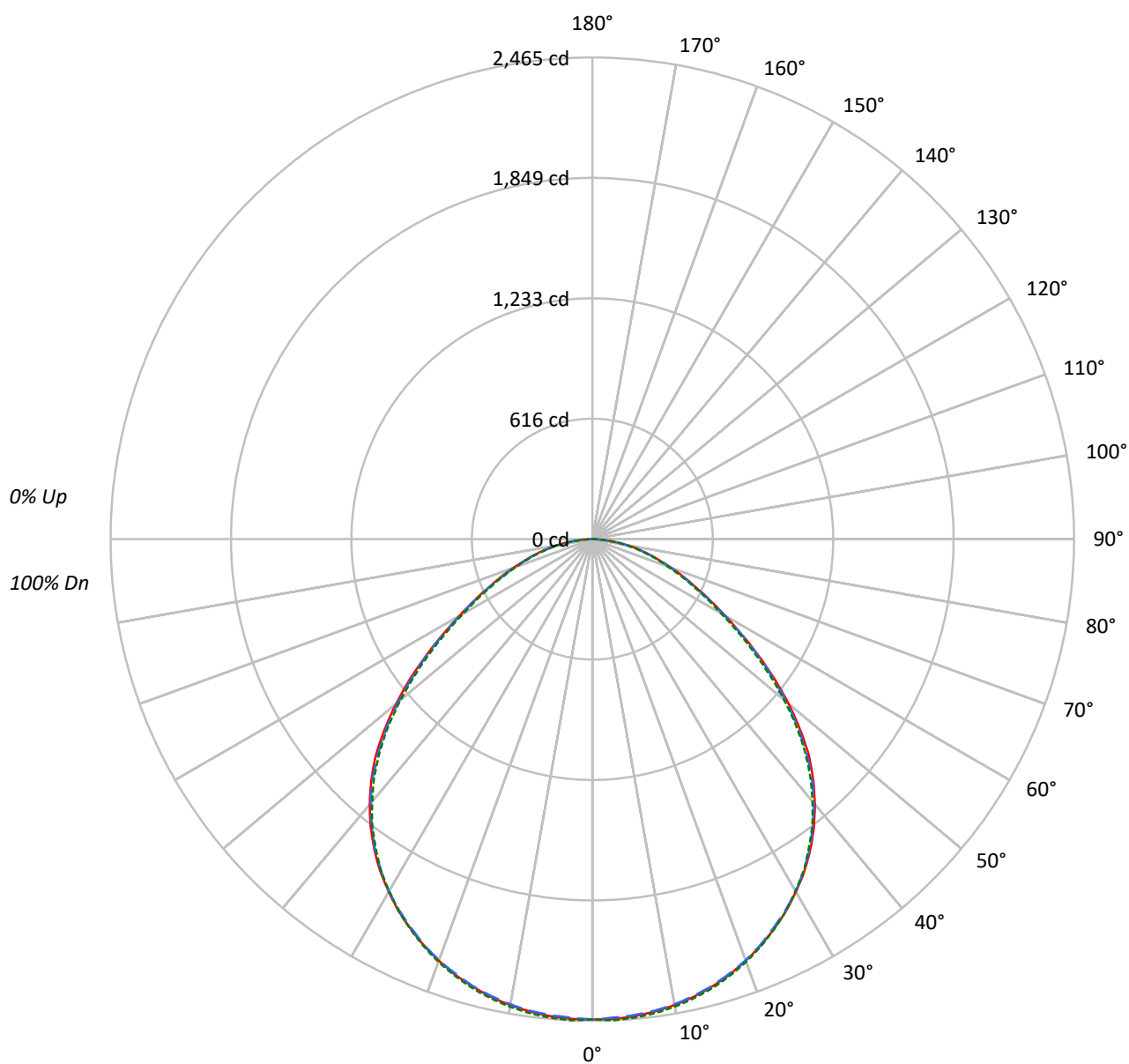
Lumens per Lamp: N/A
Luminaire Lumens: 6216.7 lumens
Efficiency: N/A
Efficacy: 103.6 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.26 / 1.34
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

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	88	85		
2	100	93	86	81	98	91	85	80	87	82	78	84	80	76	81	78	75	73		
3	92	82	74	68	90	80	73	68	78	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	45	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	39	33	29	39	33	29	27		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	3307	3307	3307
5°	3311	3303	3321
10°	3308	3302	3320
15°	3302	3297	3312
20°	3288	3284	3297
25°	3266	3258	3270
30°	3237	3233	3229
35°	3193	3185	3172
40°	3112	3100	3078
45°	2982	2949	2927
50°	2744	2713	2680
55°	2429	2418	2371
60°	2111	2103	2046
65°	1860	1849	1812
70°	1688	1664	1629
75°	1563	1526	1498
80°	1426	1406	1359
85°	1127	1116	1073

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 2982 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	233.2	3.8
10°-20°	669.3	10.8
20°-30°	1013.9	16.3
30°-40°	1210.4	19.5
40°-50°	1190.3	19.1
50°-60°	920.0	14.8
60°-70°	580.1	9.3
70°-80°	313.8	5.0
80°-90°	85.7	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°	1916.4	30.8
0°-40°	3126.8	50.3
0°-60°	5237.1	84.2
0°-90°	6216.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6216.7	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2458	2458	2458	2458	2458	
5°	2451	2452	2446	2456	2459	233
15°	2370	2371	2367	2374	2378	669
25°	2200	2202	2195	2202	2203	1014
35°	1944	1944	1939	1937	1931	1214
45°	1567	1561	1550	1538	1538	1200
55°	1035	1044	1031	1014	1011	929
65°	584	585	581	571	569	588
75°	301	297	294	295	288	319
85°	73	74	72	73	70	87
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2458.2	2458.2	2458.2	2458.2	2458.2
2.5°	2457.2	2458.2	2451.1	2462.7	2465.2
5°	2451.1	2452.1	2445.7	2456.3	2459.1
7.5°	2438.7	2440.6	2434.5	2445.1	2447.6
10°	2421.1	2423.0	2416.9	2427.5	2430.0
12.5°	2399.3	2399.9	2394.8	2404.4	2407.0
15°	2370.2	2370.8	2366.6	2374.3	2377.8
17.5°	2336.5	2337.5	2331.4	2341.0	2342.6
20°	2296.2	2296.8	2293.3	2301.3	2302.3
22.5°	2251.1	2253.0	2247.6	2254.6	2255.6
25°	2200.2	2201.8	2194.7	2201.8	2202.7
27.5°	2146.4	2147.0	2141.0	2146.4	2145.4
30°	2083.6	2089.1	2081.1	2079.2	2078.5
32.5°	2018.7	2019.3	2011.6	2009.7	2013.2
35°	1943.8	1944.4	1939.3	1936.7	1931.3
37.5°	1861.8	1861.8	1851.9	1850.3	1849.3
40°	1771.9	1770.9	1764.8	1758.7	1752.3
42.5°	1673.9	1675.8	1663.3	1652.8	1651.2
45°	1567.3	1561.2	1549.7	1537.5	1538.5
47.5°	1441.5	1443.1	1427.4	1417.5	1414.9
50°	1310.9	1310.9	1296.2	1285.6	1280.2
52.5°	1174.5	1175.5	1161.4	1147.3	1144.4
55°	1035.3	1043.9	1030.8	1014.1	1010.6
57.5°	905.0	912.0	899.5	881.9	881.0
60°	784.3	784.9	781.4	764.8	760.3
62.5°	681.2	676.7	674.8	666.2	660.7
65°	584.2	585.2	580.7	570.8	569.2
67.5°	505.8	504.8	496.8	490.7	487.2
70°	429.0	426.4	422.9	417.8	414.2
72.5°	360.5	360.5	357.6	356.0	349.9
75°	300.6	297.1	293.5	295.1	288.1
77.5°	243.3	239.8	236.9	233.4	231.8
80°	184.1	180.5	181.5	176.1	175.4
82.5°	127.7	127.7	126.1	121.6	122.6
85°	73.0	73.9	72.3	73.0	69.5
87.5°	26.6	27.2	29.1	27.2	27.2
90°	0.0	0.0	0.0	0.0	0.0



— 0°-180° - - 45°-225° 90°-270°

(END OF REPORT)