

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: P1050593

Luminaire Tested: 24PTR-72-PB1-L930-UNV-STD-W

Issue Date: 7/11/2025

Test Information

Test Method: LM-79-2019
Report Number: P1050593
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-L930-UNV-STD-W
Description: 7200 LUMEN 2X4 PERCEIVE PT TROFFER WITH 3000K, 90 CRI LEDS AND FROSTED LENS

Light Source:
Ballast/Driver: -

Summary

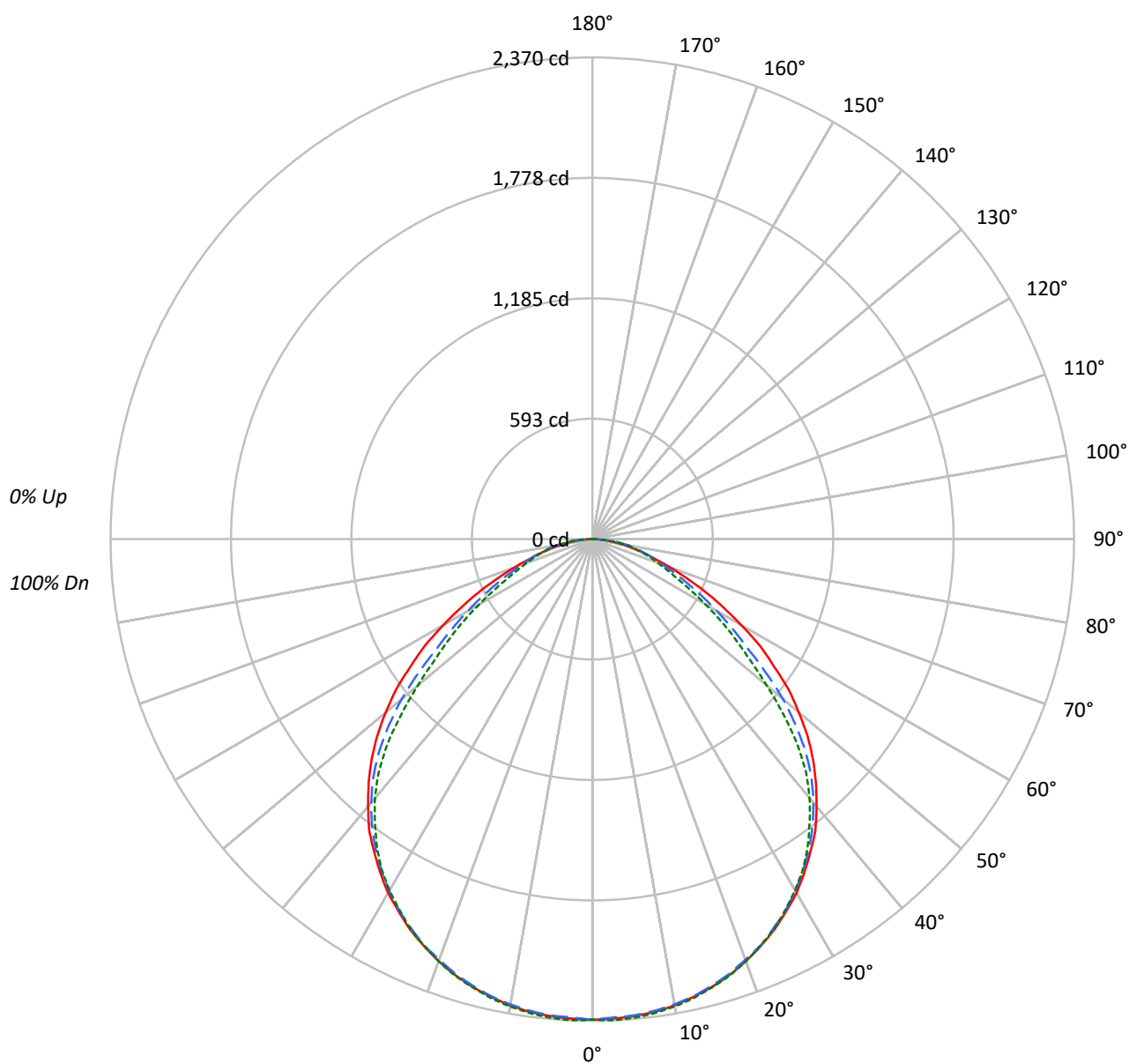
Lumens per Lamp: N/A
Luminaire Lumens: 5895.7 lumens
Efficiency: N/A
Efficacy: 98.3 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.25 / 1.34
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

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	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°	3181	3181	3181
5°	3181	3178	3193
10°	3183	3175	3191
15°	3176	3168	3180
20°	3165	3152	3165
25°	3147	3134	3143
30°	3122	3104	3099
35°	3076	3053	3034
40°	3014	2973	2922
45°	2922	2828	2711
50°	2776	2563	2344
55°	2558	2177	2019
60°	2277	1902	1729
65°	1954	1649	1473
70°	1613	1453	1350
75°	1360	1391	1316
80°	1150	1420	1353
85°	900	1437	1258

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 2922 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	224.2	3.8
10°-20°	643.3	10.9
20°-30°	974.4	16.5
30°-40°	1161.1	19.7
40°-50°	1135.4	19.3
50°-60°	858.8	14.6
60°-70°	527.6	8.9
70°-80°	281.1	4.8
80°-90°	89.7	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°	1841.9	31.2
0°-40°	3003.0	50.9
0°-60°	4997.2	84.8
0°-90°	5895.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5895.7	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2364	2364	2364	2364	2364	
5°	2356	2359	2353	2362	2364	224
15°	2280	2283	2274	2283	2283	643
25°	2120	2117	2111	2114	2117	976
35°	1873	1870	1858	1850	1847	1171
45°	1535	1527	1486	1436	1425	1181
55°	1091	1035	928	875	861	977
65°	614	564	518	477	463	611
75°	262	265	268	259	253	281
85°	58	76	93	87	82	70
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2364.4	2364.4	2364.4	2364.4	2364.4
2.5°	2361.6	2364.4	2355.5	2367.4	2370.2
5°	2355.5	2358.6	2352.8	2361.6	2364.4
7.5°	2347.0	2347.0	2341.2	2349.7	2352.8
10°	2329.6	2329.6	2323.8	2332.3	2335.4
12.5°	2306.4	2306.4	2303.3	2309.1	2312.2
15°	2280.1	2282.8	2274.3	2282.8	2282.8
17.5°	2248.0	2245.3	2242.2	2248.0	2251.1
20°	2210.2	2210.2	2201.6	2207.4	2210.2
22.5°	2166.5	2166.5	2163.8	2166.5	2163.8
25°	2120.1	2117.1	2111.3	2114.3	2117.1
27.5°	2064.9	2064.9	2059.0	2059.0	2056.0
30°	2009.6	2006.5	1998.0	1992.2	1994.9
32.5°	1942.7	1939.7	1931.1	1925.3	1928.1
35°	1872.8	1870.1	1858.5	1849.6	1846.9
37.5°	1803.2	1794.3	1779.7	1768.1	1756.5
40°	1715.9	1707.0	1692.7	1666.4	1663.4
42.5°	1628.6	1620.0	1596.5	1564.7	1555.9
45°	1535.4	1526.9	1486.0	1436.5	1424.9
47.5°	1436.5	1422.2	1358.0	1297.0	1273.8
50°	1326.3	1300.0	1224.3	1145.8	1119.6
52.5°	1218.5	1172.1	1073.2	1003.3	977.3
55°	1090.6	1035.3	927.9	875.3	860.7
57.5°	977.3	901.6	814.3	762.1	750.5
60°	846.3	776.4	706.8	660.1	642.7
62.5°	727.0	665.9	607.9	567.0	546.8
65°	613.7	564.2	517.8	476.9	462.6
67.5°	503.2	476.9	439.0	407.3	398.4
70°	410.0	395.4	369.4	354.8	343.2
72.5°	325.8	331.6	314.2	308.4	299.5
75°	261.7	264.7	267.5	258.9	253.1
77.5°	197.8	212.2	223.8	218.0	212.2
80°	148.4	162.7	183.2	174.6	174.6
82.5°	101.7	119.4	136.8	131.0	127.9
85°	58.3	75.7	93.1	87.3	81.5
87.5°	23.2	37.9	40.6	40.6	37.9
90°	0.0	0.0	0.0	0.0	0.0



— 0°-180° - - 45°-225° 90°-270°

(END OF REPORT)