

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: P1050824

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

Issue Date: 7/11/2025

Test Information

Test Method: LM-79-2019
Report Number: P1050824
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2409-224-3)
Test Lab: INNOVATION CENTER
Issue Date: 7/11/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: 24PTR-72-PLG-L930-UNV-STD-W
Description: 7200 LUMEN 2X4 PERCEIVE PT TROFFER WITH 3000K, 90 CRI LEDS AND LOW GLARE LENS

Light Source:
Ballast/Driver: -

Summary

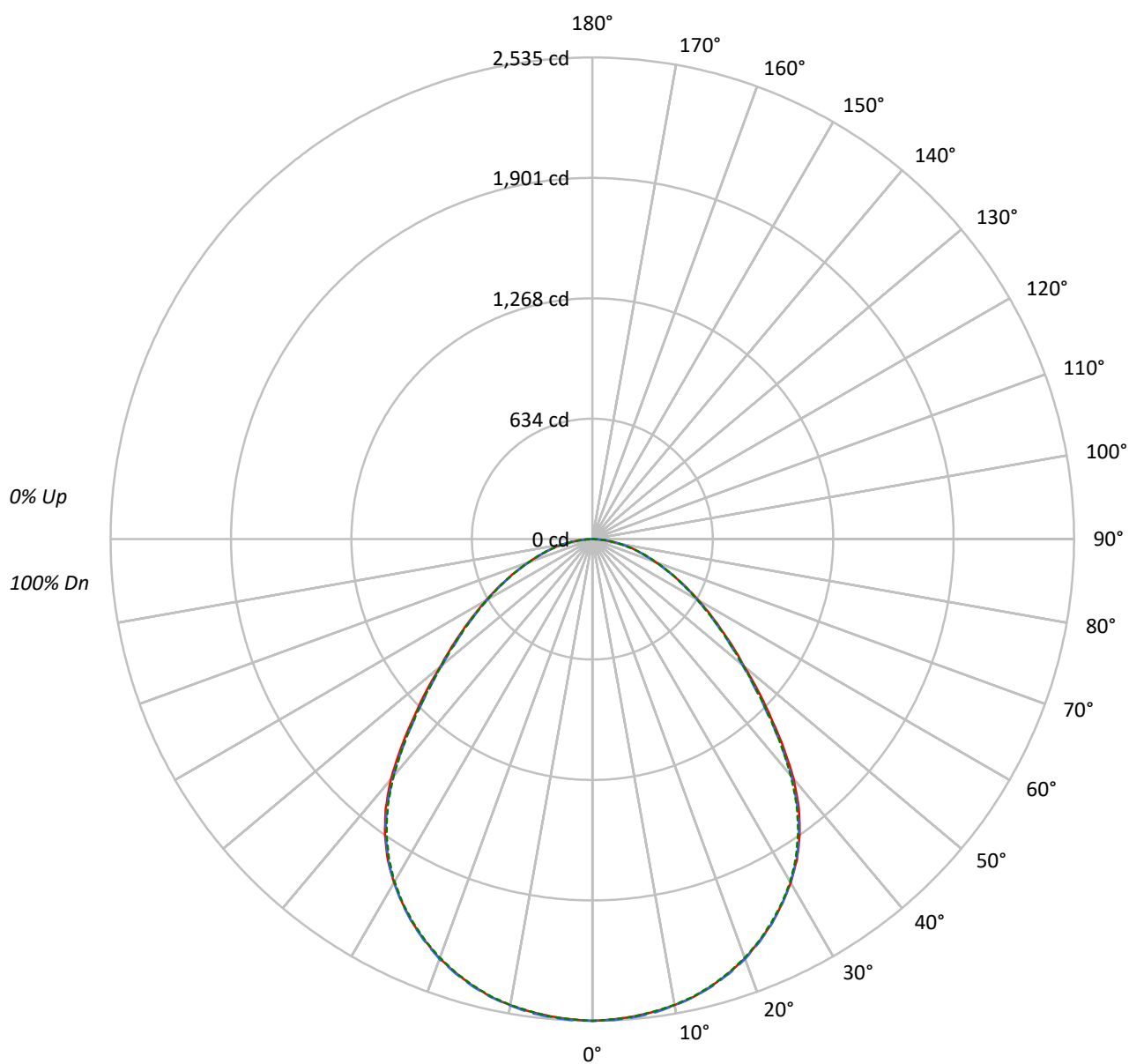
Lumens per Lamp: N/A
Luminaire Lumens: 5712.9 lumens
Efficiency: N/A
Efficacy: 95.2 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.22 / 1.26
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

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

TEST NUMBER: P1050824

CATALOG NUMBER: 24PTR-72-PLG-L930-UNV-STD-W

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	102	102	100
1	110	106	102	98	107	103	100	97	99	96	94	95	93	91	92	90	88	86	84	86
2	101	94	87	82	99	92	86	81	88	84	79	85	81	78	82	79	76	74	72	74
3	93	83	76	70	91	82	75	69	79	73	68	76	71	67	74	69	66	64	62	64
4	86	75	67	60	84	73	66	60	71	64	59	69	63	58	67	62	58	56	54	56
5	79	67	59	53	77	66	58	53	64	57	52	62	56	51	61	55	51	49	47	49
6	74	61	53	47	72	60	52	47	58	51	46	57	51	46	55	50	45	43	41	43
7	69	56	48	42	67	55	47	42	54	46	41	52	46	41	51	45	41	39	37	39
8	64	51	43	38	62	51	43	38	49	42	37	48	42	37	47	41	37	35	33	35
9	60	47	39	34	59	47	39	34	46	39	34	44	38	34	43	38	34	32	30	32
10	56	44	36	31	55	43	36	31	42	36	31	41	35	31	40	35	31	29	27	29

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	3411	3411	3411
5°	3405	3412	3407
10°	3402	3405	3400
15°	3389	3394	3386
20°	3362	3367	3357
25°	3315	3318	3307
30°	3243	3243	3235
35°	3124	3115	3100
40°	2895	2863	2854
45°	2530	2489	2500
50°	2185	2158	2170
55°	1942	1912	1916
60°	1738	1714	1714
65°	1558	1547	1552
70°	1402	1388	1402
75°	1300	1281	1300
80°	1213	1199	1158
85°	1028	1028	917

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 2530 cd/sqm

TEST NUMBER: P1050824

CATALOG NUMBER: 24PTR-72-PLG-L930-UNV-STD-W

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	240.0	4.2
10°-20°	686.8	12.0
20°-30°	1027.7	18.0
30°-40°	1177.5	20.6
40°-50°	1018.4	17.8
50°-60°	737.0	12.9
60°-70°	485.5	8.5
70°-80°	264.2	4.6
80°-90°	75.8	1.3
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°	1954.6	34.2
0°-40°	3132.1	54.8
0°-60°	4887.5	85.6
0°-90°	5712.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5712.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2535	2535	2535	2535	2535	
5°	2521	2526	2526	2526	2523	240
15°	2433	2435	2436	2440	2431	686
25°	2233	2233	2235	2237	2228	1027
35°	1902	1900	1897	1895	1888	1182
45°	1330	1326	1308	1306	1314	1030
55°	828	824	815	810	817	745
65°	489	493	486	482	488	489
75°	250	250	246	246	250	266
85°	67	67	67	68	59	77
90°	0	0	0	0	0	

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CATALOG NUMBER: 24PTR-72-PLG-L930-UNV-STD-W

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2535.4	2535.4	2535.4	2535.4	2535.4
2.5°	2530.0	2535.4	2533.6	2535.4	2530.0
5°	2521.0	2526.4	2526.4	2526.4	2522.8
7.5°	2508.4	2512.0	2513.8	2515.6	2506.6
10°	2490.4	2494.0	2492.2	2495.8	2488.6
12.5°	2467.0	2467.0	2468.8	2472.4	2465.2
15°	2432.8	2434.6	2436.4	2440.0	2431.0
17.5°	2393.2	2395.0	2396.8	2398.6	2391.4
20°	2348.2	2348.2	2351.8	2353.6	2344.6
22.5°	2292.4	2292.4	2296.0	2301.4	2290.6
25°	2233.1	2233.1	2234.9	2236.7	2227.7
27.5°	2162.9	2162.9	2164.7	2170.1	2159.3
30°	2087.3	2085.5	2087.3	2089.1	2081.9
32.5°	2002.7	2000.9	1999.1	2000.9	1991.9
35°	1902.0	1900.2	1896.6	1894.8	1887.6
37.5°	1785.0	1781.4	1774.2	1774.2	1767.0
40°	1648.2	1639.3	1630.3	1626.7	1624.9
42.5°	1489.9	1482.7	1470.1	1468.3	1468.3
45°	1329.8	1326.2	1308.2	1306.4	1313.6
47.5°	1185.8	1176.8	1160.6	1157.0	1167.8
50°	1043.7	1045.5	1031.1	1025.7	1036.5
52.5°	932.1	928.5	915.9	912.3	921.3
55°	827.7	824.1	815.1	809.7	816.9
57.5°	732.4	730.6	721.6	719.8	723.4
60°	646.0	644.2	637.0	635.2	637.0
62.5°	565.0	565.0	557.8	554.2	559.6
65°	489.4	493.0	485.8	482.2	487.6
67.5°	421.1	424.7	417.5	413.9	421.1
70°	356.3	359.9	352.7	349.1	356.3
72.5°	300.5	302.3	296.9	295.1	304.1
75°	250.1	250.1	246.5	246.5	250.1
77.5°	203.3	201.5	199.7	199.7	196.1
80°	156.5	154.7	154.7	154.7	149.4
82.5°	111.6	108.0	109.8	111.6	102.6
85°	66.6	66.6	66.6	68.4	59.4
87.5°	27.0	27.0	25.2	27.0	23.4
90°	0.0	0.0	0.0	0.0	0.0



— 0°-180° - - 45°-225° 90°-270°

(END OF REPORT)