

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: P1050517

Luminaire Tested: 24PTR-80-L930-UNV-STD-W

Issue Date: 7/11/2025

Test Information

Test Method: LM-79-2019
Report Number: P1050517
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2310-200-1)
Test Lab: INNOVATION CENTER
Issue Date: 7/11/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: 24PTR-80-L930-UNV-STD-W
Description: 8000 LUMEN 2X4 PERCEIVE PT TROFFER WITH 3000K, 90 CRI LEDS AND FROSTED LENS

Light Source:
Ballast/Driver: -

Summary

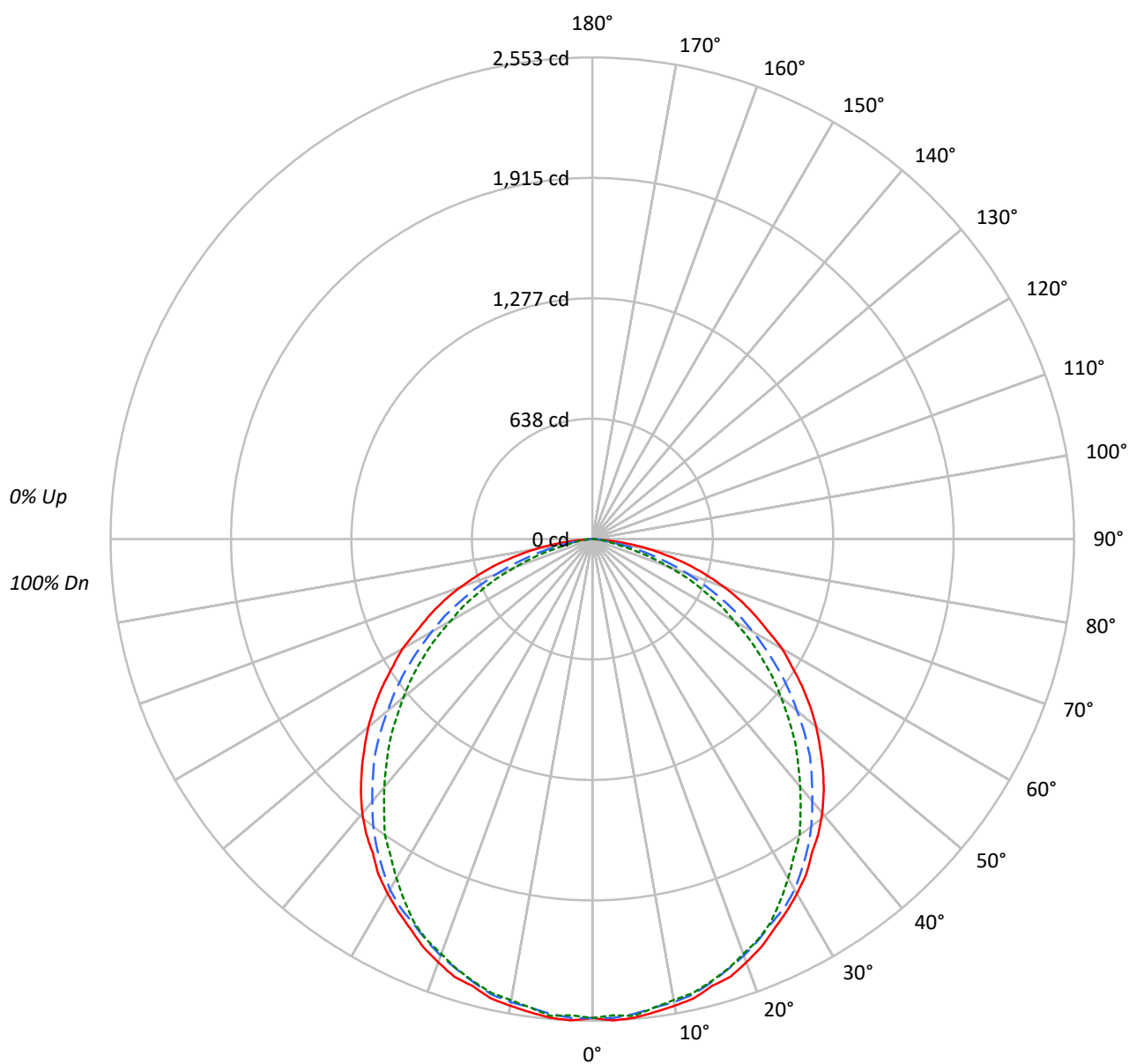
Lumens per Lamp: N/A
Luminaire Lumens: 6760.6 lumens
Efficiency: N/A
Efficacy: 99.4 lumens/watt
Spacing Criteria (0/90/45): 1.27 / 1.21 / 1.35
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 68
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: P1050517

CATALOG NUMBER: 24PTR-80-L930-UNV-STD-W

Luminous Intensity Polar Plot



TEST NUMBER: P1050517

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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	109	105	101	97	107	103	99	96	98	95	93	95	92	90	91	89	87	87	87	85
2	100	92	85	80	97	90	84	79	87	81	77	83	79	75	80	77	74	74	74	72
3	91	81	73	67	89	79	72	66	76	70	65	74	68	64	71	67	63	63	63	61
4	84	72	63	57	81	71	63	56	68	61	56	66	60	55	64	58	54	54	54	52
5	77	64	56	49	75	63	55	49	61	54	48	59	53	48	57	52	47	47	47	45
6	71	58	49	43	69	57	49	43	55	48	42	54	47	42	52	46	42	42	42	40
7	66	53	44	38	64	52	44	38	50	43	38	49	42	37	48	42	37	37	37	35
8	61	48	40	34	60	47	39	34	46	39	34	45	38	33	44	38	33	33	33	31
9	57	44	36	31	56	44	36	30	42	35	30	41	35	30	40	34	30	30	30	28
10	54	41	33	28	53	40	33	28	39	32	28	38	32	27	37	32	27	27	27	26

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	3415	3415	3415
5°	3440	3412	3426
10°	3431	3404	3389
15°	3415	3388	3382
20°	3418	3364	3351
25°	3384	3335	3324
30°	3370	3333	3225
35°	3332	3273	3146
40°	3329	3186	3011
45°	3288	3104	2891
50°	3243	2965	2734
55°	3181	2826	2567
60°	3124	2644	2331
65°	3018	2426	2084
70°	2920	2111	1701
75°	2743	1666	1171
80°	2378	1007	703
85°	1587	724	676

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 3288 cd/sqm

TEST NUMBER: P1050517

CATALOG NUMBER: 24PTR-80-L930-UNV-STD-W

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	240.6	3.6
10°-20°	688.4	10.2
20°-30°	1039.9	15.4
30°-40°	1236.4	18.3
40°-50°	1254.0	18.5
50°-60°	1088.9	16.1
60°-70°	773.0	11.4
70°-80°	369.4	5.5
80°-90°	70.0	1.0
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°	1968.9	29.1
0°-40°	3205.3	47.4
0°-60°	5548.2	82.1
0°-90°	6760.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6760.6	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2538	2538	2538	2538	2538	
5°	2547	2538	2526	2532	2537	242
15°	2452	2458	2432	2429	2428	695
25°	2280	2277	2246	2255	2239	1053
35°	2029	2026	1992	1924	1915	1275
45°	1728	1713	1631	1545	1519	1333
55°	1356	1315	1205	1134	1094	1212
65°	948	877	762	680	654	939
75°	528	431	320	254	225	553
85°	103	54	47	45	44	130
90°	0	0	0	0	0	

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CATALOG NUMBER: 24PTR-80-L930-UNV-STD-W

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2538.1	2538.1	2538.1	2538.1	2538.1
2.5°	2553.2	2544.1	2541.1	2551.7	2526.0
5°	2547.1	2538.1	2526.0	2532.0	2536.6
7.5°	2529.0	2521.4	2504.8	2518.4	2504.8
10°	2510.9	2503.3	2491.2	2495.7	2480.6
12.5°	2492.7	2474.6	2471.6	2474.6	2464.0
15°	2451.9	2457.9	2432.3	2429.2	2427.7
17.5°	2432.3	2417.1	2389.9	2391.4	2388.4
20°	2386.9	2368.8	2349.1	2346.1	2340.0
22.5°	2340.0	2318.9	2300.7	2309.8	2296.2
25°	2279.6	2276.6	2246.3	2255.4	2238.8
27.5°	2226.7	2216.1	2202.5	2182.8	2158.6
30°	2169.2	2158.6	2145.0	2093.6	2075.5
32.5°	2108.8	2096.7	2069.5	2009.0	1989.3
35°	2028.6	2025.6	1992.4	1924.3	1915.3
37.5°	1968.2	1934.9	1907.7	1838.2	1812.5
40°	1895.6	1877.5	1814.0	1747.5	1714.2
42.5°	1815.5	1794.3	1721.8	1650.7	1614.4
45°	1727.8	1712.7	1631.1	1544.9	1519.2
47.5°	1637.1	1623.5	1526.8	1443.6	1410.4
50°	1549.4	1532.8	1416.4	1336.3	1306.1
52.5°	1454.2	1427.0	1312.1	1233.5	1204.8
55°	1356.0	1315.1	1204.8	1133.7	1094.4
57.5°	1251.6	1213.9	1091.4	1017.3	985.6
60°	1161.0	1108.0	982.6	907.0	866.2
62.5°	1044.6	999.2	879.8	790.6	770.9
65°	947.8	876.8	761.9	680.2	654.5
67.5°	849.5	766.4	650.0	566.9	553.3
70°	742.2	656.1	536.6	455.0	432.3
72.5°	633.4	548.7	432.3	346.2	332.6
75°	527.6	430.8	320.5	254.0	225.2
77.5°	412.7	325.0	225.2	155.7	137.6
80°	306.9	219.2	130.0	92.2	90.7
82.5°	201.0	127.0	69.5	71.0	68.0
85°	102.8	54.4	46.9	45.3	43.8
87.5°	19.7	21.2	22.7	22.7	22.7
90°	0.0	0.0	0.0	0.0	0.0



— 0°-180° - - 45°-225° 90°-270°

(END OF REPORT)