

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: P1051056

Luminaire Tested: 24PTR-80-PW1-L930-UNV-STD-W

Issue Date: 7/11/2025

Test Information

Test Method: LM-79-2019
Report Number: P1051056
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P737743)
Test Lab: INNOVATION CENTER
Issue Date: 7/11/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: 24PTR-80-PW1-L930-UNV-STD-W
Description: 8000 LUMEN 2X4 PERCEIVE PT TROFFER WITH 3000K, 90 CRI LEDS AND WAVES LENS

Light Source:
Ballast/Driver: -

Summary

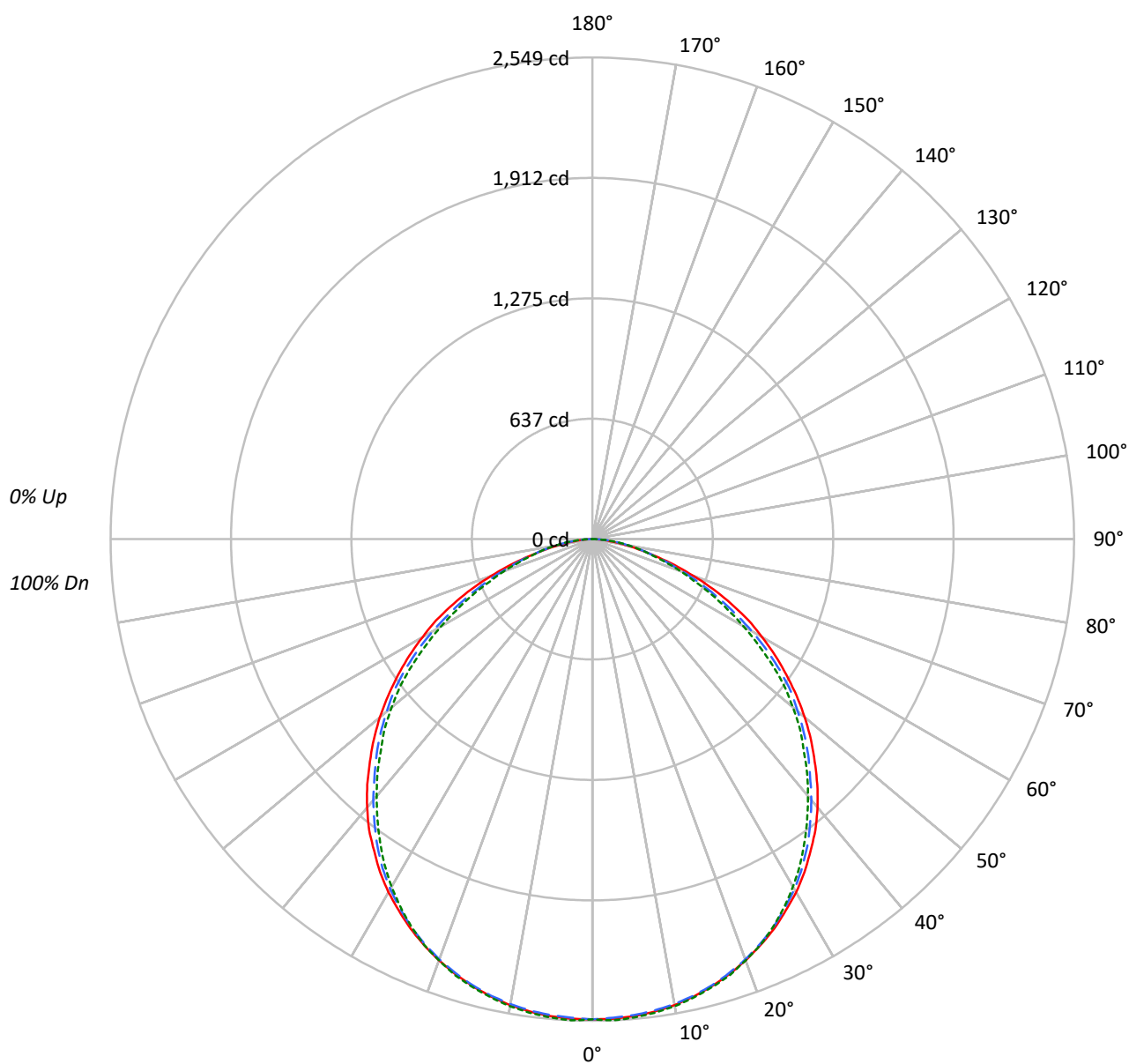
Lumens per Lamp: N/A
Luminaire Lumens: 6744.4 lumens
Efficiency: N/A
Efficacy: 99.2 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.24 / 1.34
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

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

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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	109	105	101	97	107	103	99	95	98	95	92	94	92	90	91	89	87	85		
2	100	92	85	80	97	90	84	79	86	81	77	83	79	75	80	77	74	71		
3	91	81	73	67	89	79	72	66	76	70	65	74	68	64	71	67	63	61		
4	84	72	63	57	81	71	63	57	68	61	56	66	60	55	64	59	54	52		
5	77	64	56	49	75	63	55	49	61	54	48	59	53	48	57	52	47	45		
6	71	58	49	43	69	57	49	43	55	48	42	54	47	42	52	46	42	40		
7	66	53	44	38	64	52	44	38	50	43	38	49	42	37	48	42	37	35		
8	62	48	40	34	60	48	40	34	46	39	34	45	38	34	44	38	33	31		
9	58	44	36	31	56	44	36	31	43	35	30	41	35	30	40	34	30	28		
10	54	41	33	28	53	40	33	28	39	32	28	38	32	28	38	32	27	26		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	3419	3419	3419
5°	3422	3415	3432
10°	3421	3413	3430
15°	3410	3405	3418
20°	3396	3389	3396
25°	3378	3363	3361
30°	3352	3323	3299
35°	3307	3257	3215
40°	3256	3167	3117
45°	3166	3073	3010
50°	3071	2970	2902
55°	2943	2843	2730
60°	2790	2625	2488
65°	2581	2344	2228
70°	2237	2041	1964
75°	1786	1747	1699
80°	1358	1516	1516
85°	1003	1294	1294

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 3166 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	241.0	3.6
10°-20°	691.3	10.2
20°-30°	1044.8	15.5
30°-40°	1240.6	18.4
40°-50°	1249.8	18.5
50°-60°	1080.3	16.0
60°-70°	738.4	10.9
70°-80°	364.1	5.4
80°-90°	94.2	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°	1977.1	29.3
0°-40°	3217.6	47.7
0°-60°	5547.8	82.3
0°-90°	6744.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6744.4	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2541	2541	2541	2541	2541	
5°	2534	2535	2528	2539	2541	241
15°	2448	2451	2445	2453	2454	691
25°	2275	2273	2266	2268	2264	1048
35°	2013	2007	1983	1965	1958	1260
45°	1664	1646	1615	1596	1582	1284
55°	1254	1251	1212	1176	1164	1122
65°	811	782	736	704	700	800
75°	344	341	336	336	327	374
85°	65	76	84	86	84	80
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2541.4	2541.4	2541.4	2541.4	2541.4
2.5°	2540.7	2541.4	2534.9	2546.2	2548.9
5°	2533.9	2534.9	2528.4	2538.7	2541.4
7.5°	2521.9	2523.6	2516.1	2526.4	2528.4
10°	2503.8	2504.8	2498.3	2508.6	2510.6
12.5°	2479.5	2480.2	2474.7	2483.9	2483.9
15°	2448.3	2451.1	2444.6	2453.1	2453.8
17.5°	2413.4	2414.5	2408.0	2417.2	2419.2
20°	2372.0	2372.0	2366.6	2374.1	2372.0
22.5°	2325.8	2325.8	2319.3	2323.1	2324.8
25°	2275.2	2273.1	2265.6	2267.7	2263.9
27.5°	2216.7	2216.7	2203.3	2203.3	2196.8
30°	2157.5	2152.7	2138.7	2130.1	2123.6
32.5°	2089.4	2082.9	2065.1	2050.0	2045.2
35°	2013.4	2006.6	1983.0	1965.2	1957.6
37.5°	1939.8	1924.8	1893.7	1875.9	1867.3
40°	1854.0	1835.1	1803.3	1778.7	1774.9
42.5°	1761.9	1746.9	1705.4	1687.3	1682.9
45°	1664.0	1645.9	1614.8	1596.0	1581.9
47.5°	1567.9	1554.5	1519.0	1496.4	1491.6
50°	1466.9	1455.7	1419.0	1394.7	1386.2
52.5°	1362.6	1355.1	1323.9	1292.8	1282.5
55°	1254.4	1250.7	1212.0	1176.1	1163.8
57.5°	1148.0	1143.2	1095.0	1053.6	1042.3
60°	1036.8	1022.8	975.6	936.9	924.6
62.5°	931.4	901.3	850.3	820.2	806.2
65°	810.6	781.6	736.4	704.2	699.8
67.5°	692.2	657.3	622.4	602.6	587.5
70°	568.7	545.1	518.8	502.0	499.2
72.5°	453.7	437.0	423.6	413.4	404.8
75°	343.6	340.8	336.0	336.0	326.8
77.5°	252.5	259.0	262.8	261.8	263.8
80°	175.2	188.2	195.7	196.8	195.7
82.5°	111.2	126.3	138.6	140.3	142.3
85°	65.0	76.3	83.8	85.5	83.8
87.5°	29.1	36.6	38.7	40.4	38.7
90°	0.0	0.0	0.0	0.0	0.0



— 0°-180° - - 45°-225° 90°-270°

(END OF REPORT)