

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: P1050902

Luminaire Tested: 24PTR-80-PP3-L930-UNV-STD-W

Issue Date: 7/11/2025

Test Information

Test Method: LM-79-2019
Report Number: P1050902
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P737727)
Test Lab: INNOVATION CENTER
Issue Date: 7/11/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: 24PTR-80-PP3-L930-UNV-STD-W
Description: 8000 LUMEN 2X4 PERCEIVE PT TROFFER WITH 3000K, 90 CRI LEDS AND PRISM LENS

Light Source:
Ballast/Driver: -

Summary

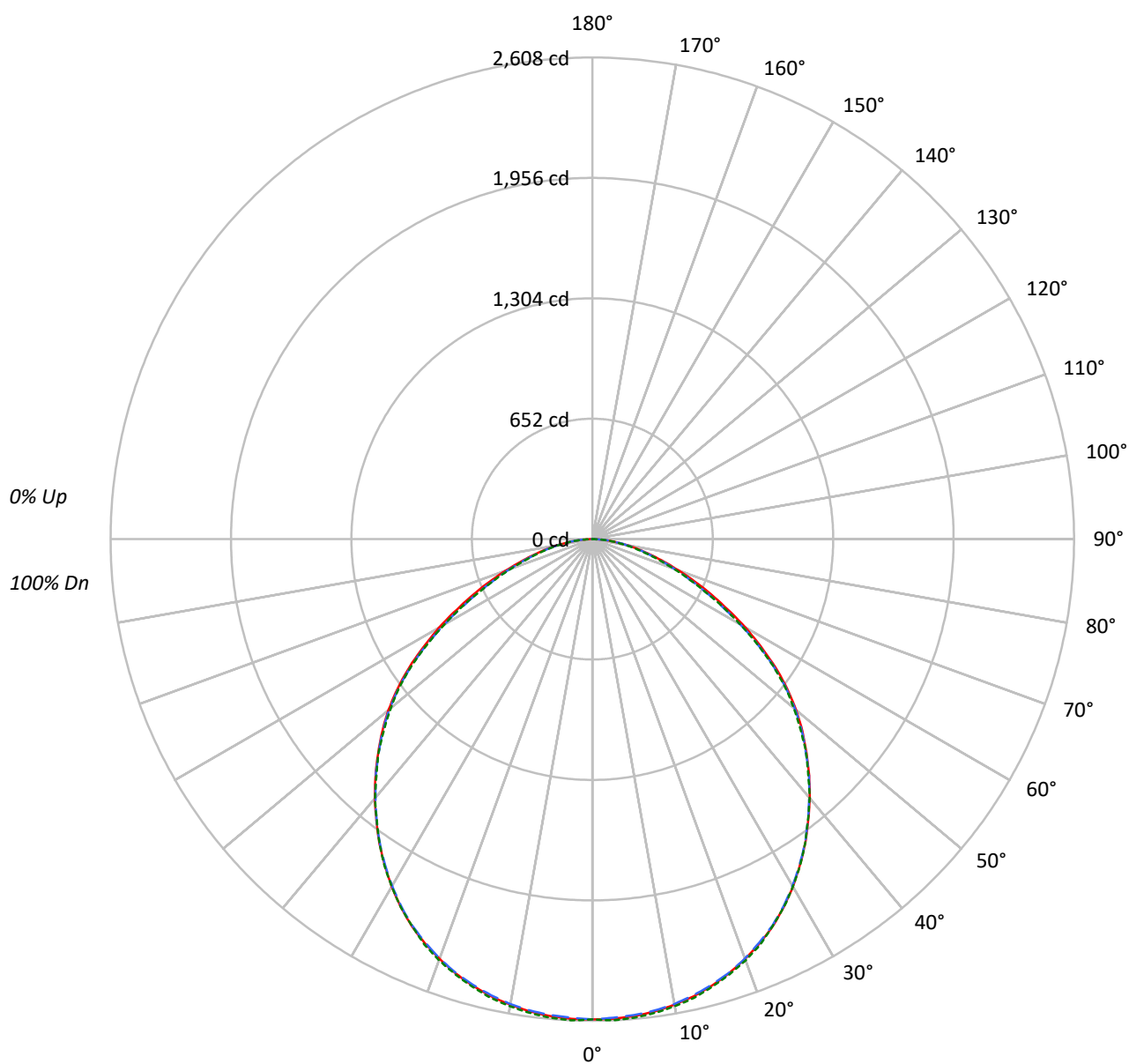
Lumens per Lamp: N/A
Luminaire Lumens: 6719.2 lumens
Efficiency: N/A
Efficacy: 98.8 lumens/watt
Spacing Criteria (0/90/45): 1.24 / 1.24 / 1.34
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

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	96	99	96	93	95	92	90	91	89	87	85		
2	100	92	86	80	97	90	84	79	87	82	78	84	79	76	81	77	74	72		
3	92	81	74	67	89	80	73	67	77	71	66	74	69	65	72	67	63	61		
4	84	73	64	58	82	71	63	57	69	62	56	66	60	56	64	59	55	53		
5	77	65	56	50	75	64	56	50	62	55	49	60	54	49	58	52	48	46		
6	72	59	50	44	70	58	50	44	56	49	43	54	48	43	53	47	42	40		
7	66	53	45	39	65	52	44	39	51	44	38	50	43	38	48	42	38	36		
8	62	49	40	35	60	48	40	35	47	39	34	45	39	34	44	38	34	32		
9	58	45	37	31	57	44	36	31	43	36	31	42	35	31	41	35	31	29		
10	54	41	34	28	53	41	33	28	40	33	28	39	33	28	38	32	28	26		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	3499	3499	3499
5°	3502	3494	3513
10°	3497	3492	3509
15°	3486	3479	3495
20°	3463	3460	3475
25°	3432	3426	3430
30°	3374	3367	3374
35°	3301	3296	3299
40°	3216	3206	3215
45°	3120	3111	3114
50°	3015	3001	2979
55°	2839	2806	2797
60°	2576	2489	2494
65°	2263	2149	2146
70°	1956	1867	1846
75°	1692	1630	1594
80°	1499	1478	1411
85°	1240	1281	1207

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°

Vertical Angle: 45°

Luminance: 3131 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	246.6	3.7
10°-20°	706.5	10.5
20°-30°	1063.7	15.8
30°-40°	1255.4	18.7
40°-50°	1262.6	18.8
50°-60°	1065.9	15.9
60°-70°	684.6	10.2
70°-80°	340.5	5.1
80°-90°	93.3	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°	2016.9	30.0
0°-40°	3272.3	48.7
0°-60°	5600.8	83.4
0°-90°	6719.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6719.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2601	2601	2601	2601	2601	
5°	2593	2594	2587	2600	2601	246
15°	2502	2503	2498	2509	2509	706
25°	2312	2312	2308	2312	2311	1064
35°	2010	2011	2007	2009	2009	1256
45°	1640	1645	1635	1637	1637	1265
55°	1210	1209	1196	1191	1192	1076
65°	711	700	675	668	674	709
75°	326	324	314	310	307	352
85°	80	83	83	78	78	94
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2600.6	2600.6	2600.6	2600.6	2600.6
2.5°	2599.5	2600.6	2593.7	2606.0	2608.1
5°	2593.0	2593.7	2587.2	2599.5	2601.2
7.5°	2579.6	2580.7	2574.8	2586.1	2588.2
10°	2559.7	2562.8	2556.0	2566.6	2568.3
12.5°	2535.4	2536.4	2529.6	2541.9	2544.0
15°	2502.5	2503.1	2497.7	2509.0	2509.0
17.5°	2464.4	2465.4	2461.6	2471.2	2470.2
20°	2418.4	2421.2	2416.4	2422.9	2426.7
22.5°	2368.3	2369.4	2363.5	2372.1	2375.9
25°	2311.8	2312.4	2308.0	2312.4	2310.7
27.5°	2245.6	2247.3	2240.8	2245.6	2246.6
30°	2171.8	2176.6	2167.4	2171.1	2171.8
32.5°	2092.6	2095.3	2088.8	2089.8	2094.6
35°	2009.6	2010.6	2006.8	2008.6	2008.6
37.5°	1920.1	1923.8	1918.0	1920.7	1917.0
40°	1831.2	1827.5	1825.4	1827.5	1830.2
42.5°	1737.6	1738.6	1735.9	1733.8	1729.4
45°	1639.5	1645.3	1634.7	1636.7	1636.7
47.5°	1543.5	1544.1	1538.7	1532.8	1529.1
50°	1440.6	1440.6	1433.7	1429.2	1423.4
52.5°	1328.1	1326.3	1318.8	1314.0	1316.7
55°	1210.1	1209.0	1196.0	1191.2	1192.2
57.5°	1080.8	1082.8	1062.9	1058.1	1058.1
60°	957.3	947.7	925.0	918.5	926.8
62.5°	827.6	816.3	792.0	792.0	798.5
65°	710.7	700.4	675.0	668.1	674.0
67.5°	601.3	591.7	568.3	564.6	566.3
70°	497.3	489.1	474.7	466.1	469.2
72.5°	407.8	400.3	390.7	384.1	380.4
75°	325.5	323.8	313.5	310.4	306.6
77.5°	257.6	256.9	248.3	244.6	240.8
80°	193.4	192.4	190.7	184.9	182.1
82.5°	137.9	137.9	136.9	132.1	129.3
85°	80.3	83.0	83.0	78.2	78.2
87.5°	32.2	34.0	32.2	32.2	31.2
90°	0.0	0.0	0.0	0.0	0.0



— 0°-180° - - 45°-225° 90°-270°

(END OF REPORT)