

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: P1050780

Luminaire Tested: 24PTR-72-PLG-L830-UNV-STD-W

Issue Date: 7/11/2025

Test Information

Test Method: LM-79-2019
Report Number: P1050780
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-L830-UNV-STD-W
Description: 7200 LUMEN 2X4 PERCEIVE PT TROFFER WITH 3000K, 80 CRI LEDS AND LOW GLARE LENS

Light Source:
Ballast/Driver: -

Summary

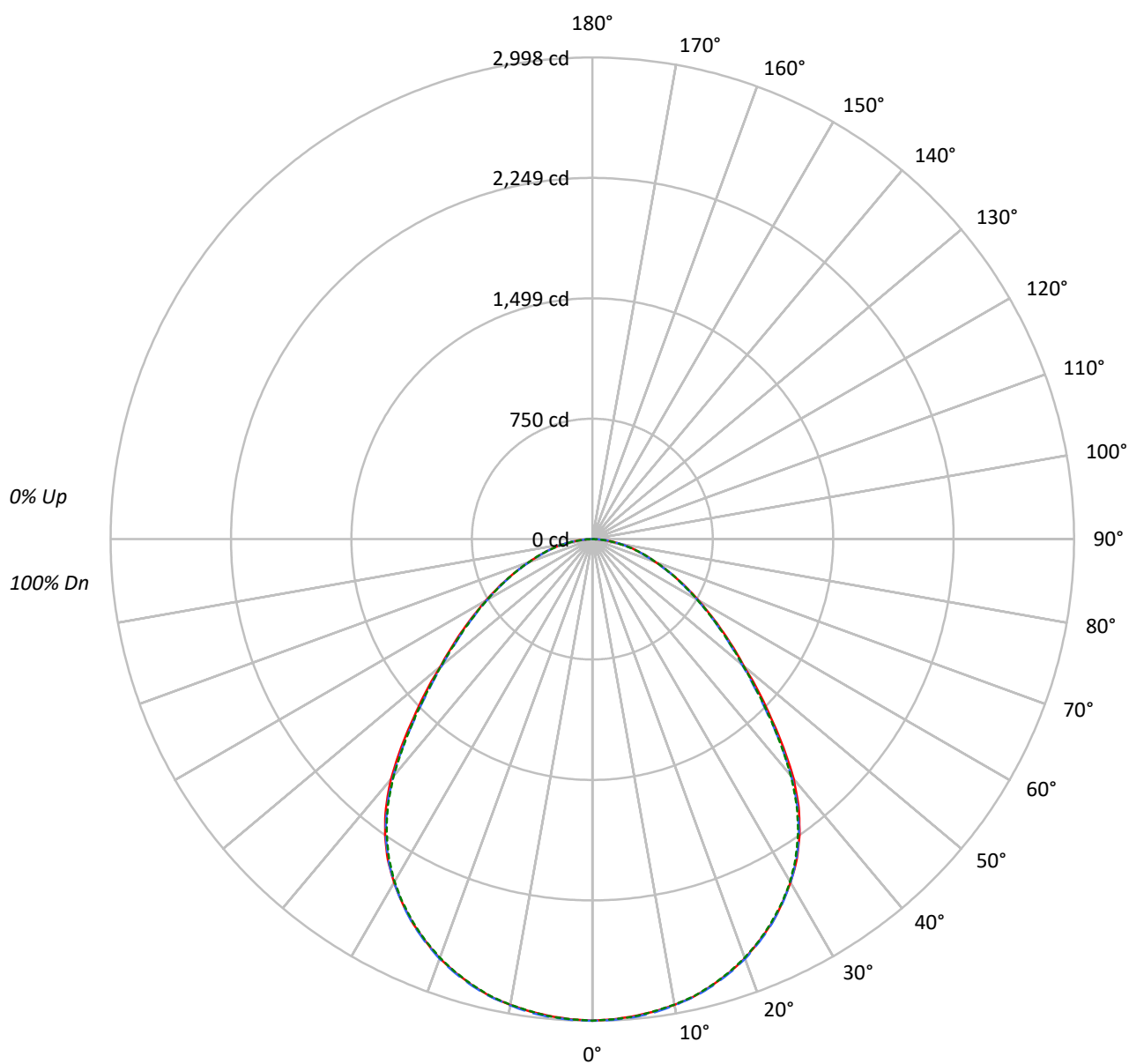
Lumens per Lamp: N/A
Luminaire Lumens: 6754.3 lumens
Efficiency: N/A
Efficacy: 112.6 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.22 / 1.26
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

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

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

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	4033	4033	4033
5°	4026	4034	4028
10°	4023	4026	4020
15°	4007	4012	4003
20°	3975	3981	3969
25°	3919	3923	3910
30°	3834	3834	3824
35°	3694	3683	3666
40°	3423	3385	3374
45°	2992	2943	2955
50°	2583	2552	2565
55°	2296	2261	2266
60°	2055	2027	2027
65°	1842	1829	1835
70°	1657	1640	1657
75°	1537	1515	1537
80°	1434	1418	1368
85°	1215	1215	1084

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 2992 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	283.8	4.2
10°-20°	812.1	12.0
20°-30°	1215.1	18.0
30°-40°	1392.1	20.6
40°-50°	1204.0	17.8
50°-60°	871.4	12.9
60°-70°	573.9	8.5
70°-80°	312.4	4.6
80°-90°	89.6	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°	2310.9	34.2
0°-40°	3703.0	54.8
0°-60°	5778.4	85.6
0°-90°	6754.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6754.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2998	2998	2998	2998	2998	
5°	2980	2987	2987	2987	2983	283
15°	2876	2878	2880	2885	2874	811
25°	2640	2640	2642	2644	2634	1214
35°	2249	2247	2242	2240	2232	1397
45°	1572	1568	1547	1544	1553	1217
55°	979	974	964	957	966	881
65°	579	583	574	570	576	578
75°	296	296	292	292	296	315
85°	79	79	79	81	70	91
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2997.5	2997.5	2997.5	2997.5	2997.5
2.5°	2991.2	2997.5	2995.4	2997.5	2991.2
5°	2980.5	2986.9	2986.9	2986.9	2982.6
7.5°	2965.6	2969.9	2972.0	2974.1	2963.5
10°	2944.4	2948.6	2946.5	2950.7	2942.2
12.5°	2916.7	2916.7	2918.8	2923.1	2914.6
15°	2876.3	2878.4	2880.5	2884.8	2874.1
17.5°	2829.5	2831.6	2833.7	2835.9	2827.3
20°	2776.3	2776.3	2780.5	2782.7	2772.0
22.5°	2710.3	2710.3	2714.6	2721.0	2708.2
25°	2640.1	2640.1	2642.3	2644.4	2633.8
27.5°	2557.2	2557.2	2559.3	2565.7	2552.9
30°	2467.8	2465.7	2467.8	2469.9	2461.4
32.5°	2367.8	2365.7	2363.6	2365.7	2355.1
35°	2248.7	2246.6	2242.3	2240.2	2231.7
37.5°	2110.4	2106.1	2097.6	2097.6	2089.1
40°	1948.7	1938.1	1927.4	1923.2	1921.1
42.5°	1761.5	1753.0	1738.1	1736.0	1736.0
45°	1572.2	1567.9	1546.6	1544.5	1553.0
47.5°	1402.0	1391.3	1372.2	1367.9	1380.7
50°	1233.9	1236.0	1219.0	1212.6	1225.4
52.5°	1102.0	1097.8	1082.9	1078.6	1089.2
55°	978.6	974.4	963.7	957.3	965.9
57.5°	865.9	863.7	853.1	851.0	855.2
60°	763.7	761.6	753.1	751.0	753.1
62.5°	668.0	668.0	659.5	655.2	661.6
65°	578.7	582.9	574.4	570.1	576.5
67.5°	497.8	502.1	493.6	489.3	497.8
70°	421.2	425.5	417.0	412.7	421.2
72.5°	355.3	357.4	351.0	348.9	359.5
75°	295.7	295.7	291.5	291.5	295.7
77.5°	240.4	238.3	236.1	236.1	231.9
80°	185.1	183.0	183.0	183.0	176.6
82.5°	131.9	127.6	129.8	131.9	121.3
85°	78.7	78.7	78.7	80.8	70.2
87.5°	31.9	31.9	29.8	31.9	27.7
90°	0.0	0.0	0.0	0.0	0.0



— 0°-180° - - 45°-225° 90°-270°

(END OF REPORT)