

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: P1050858

Luminaire Tested: 24PTR-80-PP3-L830-UNV-STD-W

Issue Date: 7/11/2025

Test Information

Test Method: LM-79-2019
Report Number: P1050858
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-L830-UNV-STD-W
Description: 8000 LUMEN 2X4 PERCEIVE PT TROFFER WITH 3000K, 80 CRI LEDS AND PRISM LENS

Light Source:
Ballast/Driver: -

Summary

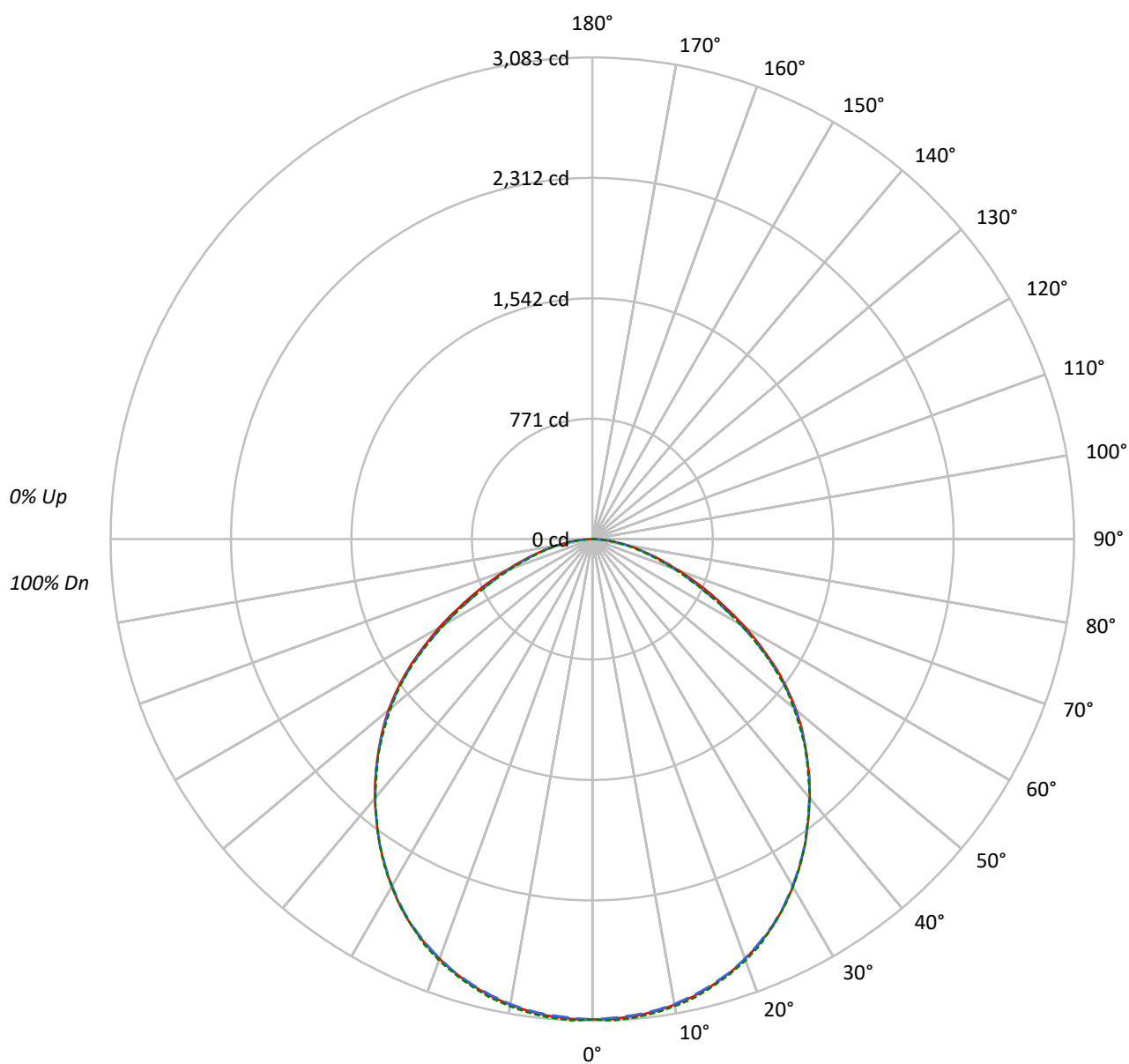
Lumens per Lamp: N/A
Luminaire Lumens: 7943.3 lumens
Efficiency: N/A
Efficacy: 116.8 lumens/watt
Spacing Criteria (0/90/45): 1.24 / 1.24 / 1.34
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

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°	4136	4136	4136
5°	4140	4131	4153
10°	4134	4128	4148
15°	4121	4113	4132
20°	4094	4090	4108
25°	4057	4051	4055
30°	3989	3981	3989
35°	3902	3897	3900
40°	3802	3790	3800
45°	3688	3677	3682
50°	3565	3548	3522
55°	3356	3317	3306
60°	3045	2943	2948
65°	2675	2541	2537
70°	2313	2208	2182
75°	2000	1927	1884
80°	1772	1746	1668
85°	1465	1514	1426

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°

Vertical Angle: 45°

Luminance: 3701 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	291.5	3.7
10°-20°	835.3	10.5
20°-30°	1257.5	15.8
30°-40°	1484.2	18.7
40°-50°	1492.7	18.8
50°-60°	1260.1	15.9
60°-70°	809.3	10.2
70°-80°	402.5	5.1
80°-90°	110.3	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°	2384.3	30.0
0°-40°	3868.5	48.7
0°-60°	6621.3	83.4
0°-90°	7943.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7943.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3074	3074	3074	3074	3074	
5°	3065	3066	3058	3073	3075	291
15°	2958	2959	2953	2966	2966	835
25°	2733	2734	2728	2734	2732	1257
35°	2376	2377	2372	2374	2374	1485
45°	1938	1945	1932	1935	1935	1496
55°	1430	1429	1414	1408	1409	1273
65°	840	828	798	790	797	838
75°	385	383	371	367	362	416
85°	95	98	98	92	92	112
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3074.3	3074.3	3074.3	3074.3	3074.3
2.5°	3073.1	3074.3	3066.2	3080.8	3083.3
5°	3065.4	3066.2	3058.5	3073.1	3075.1
7.5°	3049.6	3050.8	3043.9	3057.3	3059.7
10°	3026.1	3029.7	3021.6	3034.2	3036.2
12.5°	2997.3	2998.5	2990.4	3005.0	3007.4
15°	2958.4	2959.2	2952.7	2966.1	2966.1
17.5°	2913.4	2914.6	2910.1	2921.5	2920.3
20°	2859.0	2862.3	2856.6	2864.3	2868.8
22.5°	2799.8	2801.0	2794.2	2804.3	2808.7
25°	2732.9	2733.7	2728.5	2733.7	2731.7
27.5°	2654.7	2656.7	2649.0	2654.7	2655.9
30°	2567.5	2573.2	2562.2	2566.7	2567.5
32.5°	2473.8	2477.1	2469.4	2470.6	2476.3
35°	2375.7	2376.9	2372.5	2374.5	2374.5
37.5°	2269.9	2274.3	2267.4	2270.7	2266.2
40°	2164.8	2160.4	2158.0	2160.4	2163.6
42.5°	2054.2	2055.4	2052.1	2049.7	2044.4
45°	1938.2	1945.1	1932.5	1934.9	1934.9
47.5°	1824.7	1825.5	1819.0	1812.1	1807.6
50°	1703.0	1703.0	1694.9	1689.6	1682.7
52.5°	1570.0	1568.0	1559.1	1553.4	1556.6
55°	1430.5	1429.3	1413.9	1408.2	1409.4
57.5°	1277.7	1280.1	1256.6	1250.9	1250.9
60°	1131.7	1120.3	1093.6	1085.9	1095.6
62.5°	978.4	965.0	936.2	936.2	944.0
65°	840.2	828.0	798.0	789.9	796.8
67.5°	710.8	699.4	671.9	667.4	669.4
70°	587.9	578.2	561.2	551.0	554.7
72.5°	482.1	473.2	461.8	454.1	449.7
75°	384.8	382.8	370.6	367.0	362.5
77.5°	304.5	303.7	293.6	289.1	284.6
80°	228.7	227.5	225.4	218.6	215.3
82.5°	163.0	163.0	161.8	156.1	152.9
85°	94.9	98.1	98.1	92.4	92.4
87.5°	38.1	40.1	38.1	38.1	36.9
90°	0.0	0.0	0.0	0.0	0.0



— 0°-180° - - 45°-225° 90°-270°

(END OF REPORT)