

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: P1050143

Luminaire Tested: PTR-14-80-PB1-L830-UNV-STD-W

Issue Date: 7/11/2025

Test Information

Test Method: LM-79-2019
Report Number: P1050143
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P737703)
Test Lab: INNOVATION CENTER
Issue Date: 7/11/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: PTR-14-80-PB1-L830-UNV-STD-W
Description: 8000 LUMEN 1X4 PERCEIVE PT TROFFER WITH 3000K, 80 CRI LEDS AND BEVEL LENS

Light Source:
Ballast/Driver: -

Summary

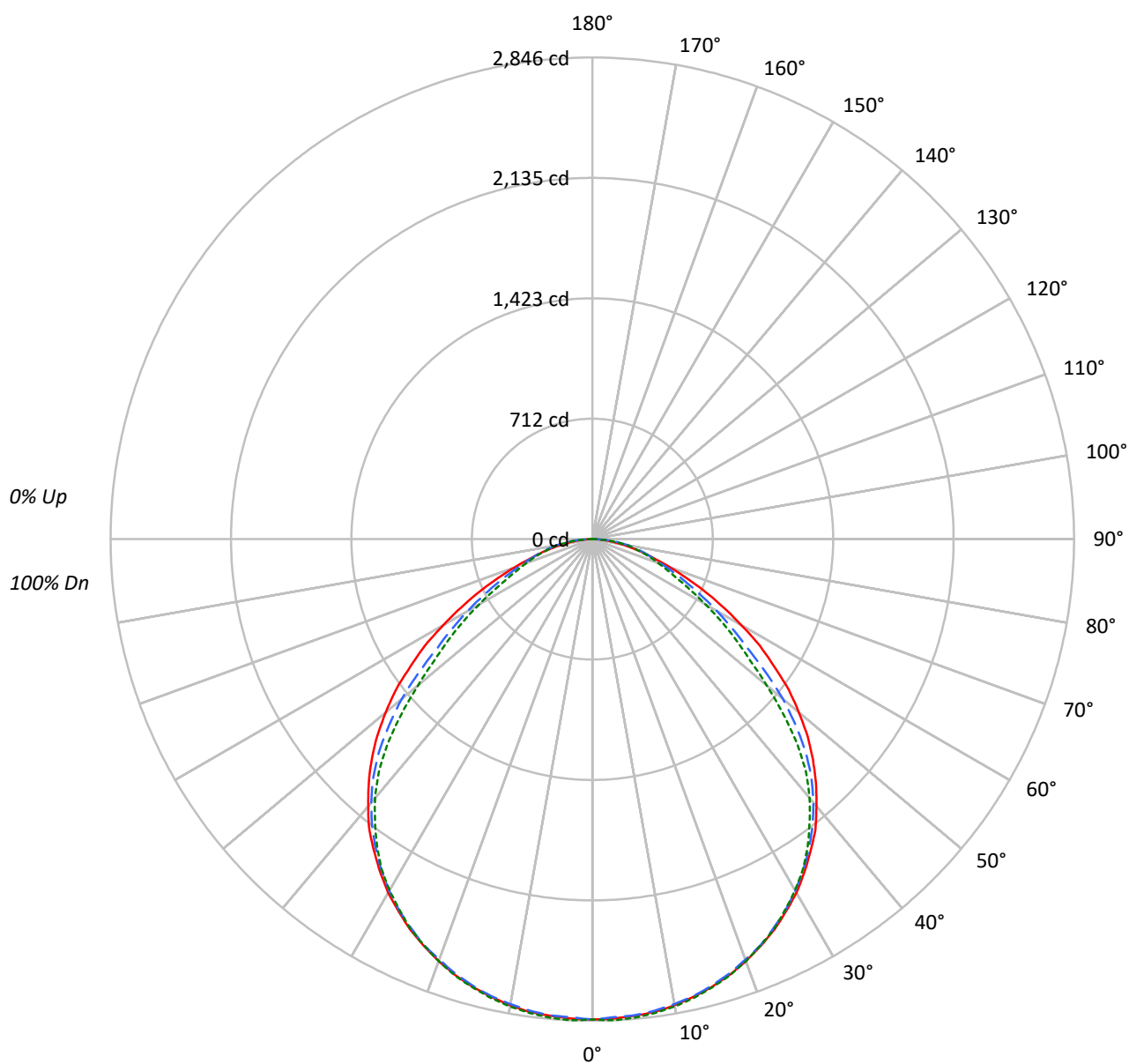
Lumens per Lamp: N/A
Luminaire Lumens: 7078.1 lumens
Efficiency: N/A
Efficacy: 99.7 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.25 / 1.34
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 71
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	105	101	98	107	103	99	96	99	96	93	95	93	90	91	89	88	86		
2	100	93	86	81	98	91	85	80	87	83	78	84	80	77	81	78	75	73		
3	92	82	75	69	90	81	74	68	78	72	67	75	70	66	73	68	64	62		
4	85	73	65	59	83	72	64	58	70	63	58	67	62	57	65	60	56	54		
5	78	66	57	51	76	65	57	51	63	56	50	61	55	50	59	54	49	47		
6	72	60	51	45	71	59	51	45	57	50	44	55	49	44	54	48	44	42		
7	67	54	46	40	66	53	45	40	52	45	39	51	44	39	49	43	39	37		
8	63	50	41	36	61	49	41	36	48	41	35	46	40	35	45	39	35	33		
9	59	46	38	32	57	45	37	32	44	37	32	43	36	32	42	36	32	30		
10	55	42	34	29	54	42	34	29	41	34	29	40	33	29	39	33	29	27		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	7639	7639	7639
5°	7639	7630	7668
10°	7642	7623	7661
15°	7626	7607	7635
20°	7598	7569	7598
25°	7557	7526	7547
30°	7497	7453	7442
35°	7386	7330	7284
40°	7236	7138	7015
45°	7015	6789	6510
50°	6666	6154	5627
55°	6143	5226	4848
60°	5469	4567	4153
65°	4691	3959	3536
70°	3873	3489	3242
75°	3266	3339	3160
80°	2760	3408	3250
85°	2161	3452	3023

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 7015 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	269.1	3.8
10°-20°	772.3	10.9
20°-30°	1169.9	16.5
30°-40°	1394.0	19.7
40°-50°	1363.1	19.3
50°-60°	1031.1	14.6
60°-70°	633.5	8.9
70°-80°	337.5	4.8
80°-90°	107.7	1.5
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°	2211.3	31.2
0°-40°	3605.3	50.9
0°-60°	5999.5	84.8
0°-90°	7078.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7078.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2839	2839	2839	2839	2839	
5°	2828	2832	2825	2835	2839	269
15°	2737	2741	2730	2741	2741	773
25°	2545	2542	2535	2538	2542	1172
35°	2248	2245	2231	2221	2217	1406
45°	1843	1833	1784	1725	1711	1418
55°	1309	1243	1114	1051	1033	1173
65°	737	677	622	572	555	733
75°	314	318	321	311	304	337
85°	70	91	112	105	98	84
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2838.6	2838.6	2838.6	2838.6	2838.6
2.5°	2835.3	2838.6	2827.9	2842.2	2845.5
5°	2827.9	2831.6	2824.6	2835.3	2838.6
7.5°	2817.7	2817.7	2810.7	2821.0	2824.6
10°	2796.8	2796.8	2789.8	2800.1	2803.7
12.5°	2768.9	2768.9	2765.2	2772.2	2775.9
15°	2737.4	2740.7	2730.4	2740.7	2740.7
17.5°	2698.9	2695.6	2691.9	2698.9	2702.6
20°	2653.4	2653.4	2643.2	2650.2	2653.4
22.5°	2601.0	2601.0	2597.7	2601.0	2597.7
25°	2545.3	2541.7	2534.7	2538.4	2541.7
27.5°	2479.0	2479.0	2472.0	2472.0	2468.3
30°	2412.6	2409.0	2398.7	2391.7	2395.0
32.5°	2332.4	2328.7	2318.4	2311.5	2314.8
35°	2248.4	2245.1	2231.2	2220.6	2217.3
37.5°	2164.8	2154.2	2136.6	2122.7	2108.8
40°	2060.0	2049.4	2032.1	2000.6	1997.0
42.5°	1955.2	1944.9	1916.7	1878.6	1867.9
45°	1843.4	1833.1	1784.0	1724.6	1710.7
47.5°	1724.6	1707.4	1630.4	1557.1	1529.2
50°	1592.3	1560.8	1469.9	1375.7	1344.1
52.5°	1462.9	1407.2	1288.4	1204.5	1173.3
55°	1309.3	1243.0	1113.9	1050.9	1033.3
57.5°	1173.3	1082.4	977.6	914.9	901.0
60°	1016.1	932.1	848.6	792.5	771.6
62.5°	872.8	799.4	729.8	680.7	656.5
65°	736.8	677.4	621.7	572.5	555.3
67.5°	604.1	572.5	527.1	489.0	478.3
70°	492.3	474.7	443.5	425.9	412.0
72.5°	391.1	398.1	377.2	370.2	359.6
75°	314.1	317.8	321.1	310.8	303.9
77.5°	237.5	254.8	268.7	261.7	254.8
80°	178.1	195.4	219.9	209.7	209.7
82.5°	122.1	143.3	164.2	157.2	153.6
85°	70.0	90.9	111.8	104.8	97.9
87.5°	27.9	45.5	48.8	48.8	45.5
90°	0.0	0.0	0.0	0.0	0.0



— 0°-180° - - 45°-225° 90°-270°

(END OF REPORT)