

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: P1050192

Luminaire Tested: PTR-14-80-PC3-L830-UNV-STD-W

Issue Date: 7/11/2025

Test Information

Test Method: LM-79-2019
Report Number: P1050192
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P737711)
Test Lab: INNOVATION CENTER
Issue Date: 7/11/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: PTR-14-80-PC3-L830-UNV-STD-W
Description: 8000 LUMEN 1X4 PERCEIVE PT TROFFER WITH 3000K, 80 CRI LEDS AND PARAMID LENS

Light Source:
Ballast/Driver: -

Summary

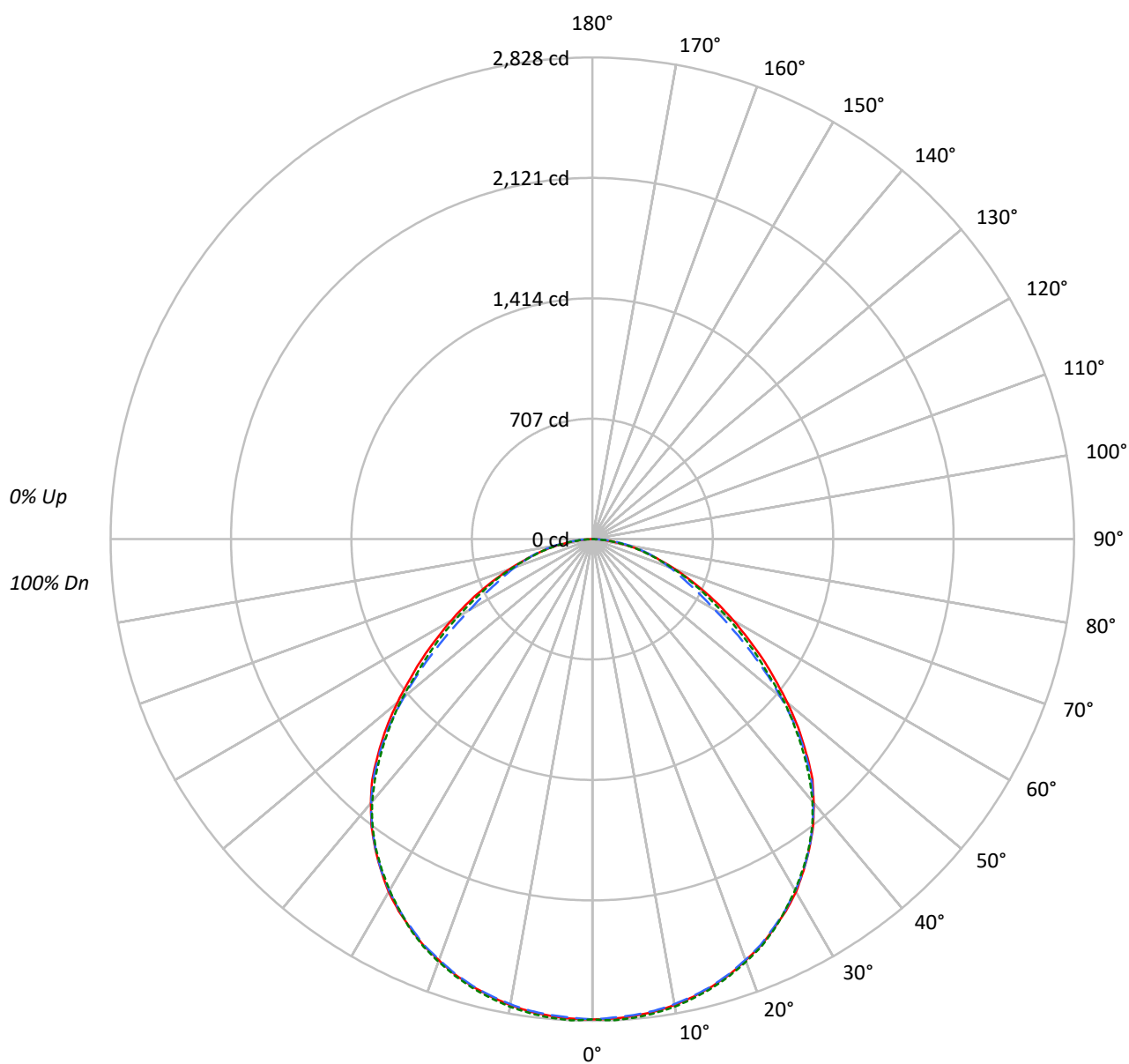
Lumens per Lamp: N/A
Luminaire Lumens: 7109.8 lumens
Efficiency: N/A
Efficacy: 100.1 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.25 / 1.34
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

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	92	90	91	89	87	85		
2	100	93	86	81	98	91	85	80	87	82	78	84	80	76	81	78	75	72		
3	92	82	74	68	90	80	73	68	77	71	66	75	70	65	72	68	64	62		
4	85	73	65	58	82	72	64	58	69	63	57	67	61	56	65	60	56	54		
5	78	66	57	51	76	65	56	50	62	55	50	61	54	49	59	53	49	47		
6	72	59	51	45	70	58	50	44	57	49	44	55	49	44	53	48	43	41		
7	67	54	46	40	65	53	45	39	52	44	39	50	44	39	49	43	39	37		
8	62	49	41	35	61	49	41	35	47	40	35	46	40	35	45	39	35	33		
9	58	45	37	32	57	45	37	32	44	37	32	43	36	32	42	36	31	30		
10	55	42	34	29	54	41	34	29	40	34	29	40	33	29	39	33	29	27		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	7589	7589	7589
5°	7591	7577	7621
10°	7591	7577	7618
15°	7573	7565	7598
20°	7538	7527	7560
25°	7488	7475	7505
30°	7432	7406	7394
35°	7297	7290	7276
40°	7104	7093	7061
45°	6756	6706	6637
50°	6254	6044	6111
55°	5707	5244	5480
60°	5146	4473	4907
65°	4599	4002	4413
70°	4080	3786	3968
75°	3609	3669	3536
80°	3112	3504	3095
85°	2331	2773	2331

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°

Vertical Angle: 45°

Luminance: 6771 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	267.5	3.8
10°-20°	767.7	10.8
20°-30°	1162.4	16.3
30°-40°	1385.8	19.5
40°-50°	1354.1	19.0
50°-60°	1035.4	14.6
60°-70°	664.8	9.4
70°-80°	369.8	5.2
80°-90°	102.2	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°	2197.6	30.9
0°-40°	3583.5	50.4
0°-60°	5973.0	84.0
0°-90°	7109.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7109.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2820	2820	2820	2820	2820	
5°	2810	2812	2805	2818	2821	267
15°	2718	2720	2715	2724	2727	767
25°	2522	2525	2518	2526	2528	1163
35°	2221	2223	2219	2218	2215	1388
45°	1775	1779	1762	1758	1744	1366
55°	1216	1174	1118	1132	1168	1087
65°	722	667	628	649	693	720
75°	347	350	353	348	340	371
85°	76	89	90	87	76	93
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2820.1	2820.1	2820.1	2820.1	2820.1
2.5°	2818.2	2819.3	2812.0	2824.1	2828.1
5°	2810.2	2812.0	2805.0	2818.2	2821.2
7.5°	2798.1	2799.9	2793.0	2806.1	2807.2
10°	2777.9	2779.0	2772.8	2786.0	2787.8
12.5°	2750.8	2753.7	2746.8	2758.9	2759.6
15°	2718.2	2720.4	2715.3	2724.4	2727.4
17.5°	2680.1	2681.2	2676.0	2685.9	2687.0
20°	2632.4	2632.4	2628.4	2639.8	2639.8
22.5°	2584.1	2581.1	2580.0	2584.1	2590.3
25°	2521.8	2524.7	2517.7	2525.8	2527.6
27.5°	2461.3	2461.3	2455.1	2459.1	2454.0
30°	2391.7	2387.6	2383.6	2384.3	2379.6
32.5°	2307.7	2307.7	2305.9	2305.9	2299.7
35°	2221.2	2223.1	2219.0	2217.9	2215.0
37.5°	2128.2	2131.5	2124.1	2122.3	2120.1
40°	2022.2	2022.2	2019.3	2015.3	2010.1
42.5°	1912.3	1912.3	1899.5	1889.2	1882.2
45°	1775.2	1779.3	1762.0	1758.0	1744.1
47.5°	1638.9	1636.0	1612.9	1610.0	1601.9
50°	1493.8	1476.6	1443.6	1452.4	1459.7
52.5°	1348.7	1327.4	1279.0	1288.9	1301.0
55°	1216.4	1174.2	1117.8	1131.7	1168.0
57.5°	1078.2	1021.7	965.3	991.7	1036.8
60°	956.1	892.7	831.2	859.4	911.8
62.5°	839.2	771.8	722.3	749.5	793.8
65°	722.3	666.6	628.5	649.4	693.0
67.5°	615.3	577.9	551.9	561.8	597.0
70°	518.6	495.1	481.2	484.1	504.3
72.5°	426.6	420.7	415.6	415.6	417.4
75°	347.1	350.0	352.9	348.2	340.1
77.5°	273.4	283.3	290.6	280.4	270.5
80°	200.8	217.0	226.1	214.8	199.7
82.5°	137.1	155.4	158.3	151.4	134.1
85°	75.5	88.7	89.8	86.9	75.5
87.5°	28.2	33.3	36.3	33.3	29.3
90°	0.0	0.0	0.0	0.0	0.0



— 0°-180° - - 45°-225° 90°-270°

(END OF REPORT)