

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: P1050172

Luminaire Tested: PTR-14-30-PC3-L830-UNV-STD-W

Issue Date: 7/11/2025

Test Information

Test Method: LM-79-2019
Report Number: P1050172
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-14-30-PC3-L830-UNV-STD-W
Description: 3000 LUMEN 1X4 PERCEIVE PT TROFFER WITH 3000K, 80 CRI LEDS AND PARAMID LENS

Light Source:
Ballast/Driver: -

Summary

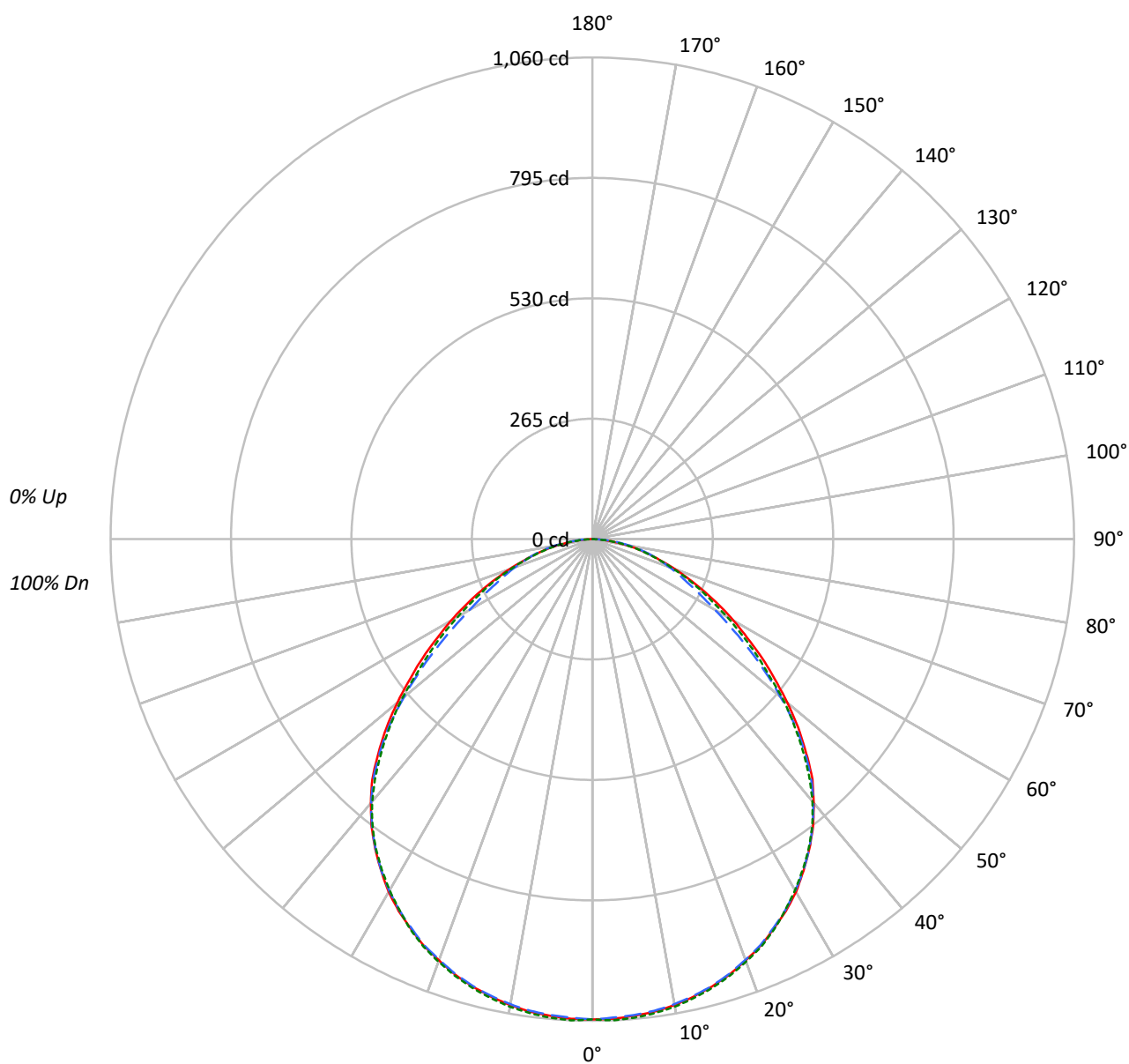
Lumens per Lamp: N/A
Luminaire Lumens: 2665.0 lumens
Efficiency: N/A
Efficacy: 115.9 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.25 / 1.34
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 23
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°	2845	2845	2845
5°	2845	2840	2857
10°	2845	2840	2855
15°	2839	2835	2848
20°	2826	2821	2834
25°	2806	2802	2813
30°	2786	2776	2771
35°	2735	2733	2728
40°	2663	2659	2647
45°	2532	2514	2488
50°	2344	2265	2290
55°	2139	1966	2054
60°	1929	1677	1840
65°	1724	1500	1654
70°	1530	1419	1487
75°	1353	1376	1326
80°	1167	1314	1161
85°	874	1041	874

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°

Vertical Angle: 45°

Luminance: 2538 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	100.3	3.8
10°-20°	287.8	10.8
20°-30°	435.7	16.3
30°-40°	519.5	19.5
40°-50°	507.6	19.0
50°-60°	388.1	14.6
60°-70°	249.2	9.4
70°-80°	138.6	5.2
80°-90°	38.3	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°	823.7	30.9
0°-40°	1343.2	50.4
0°-60°	2238.9	84.0
0°-90°	2665.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2665.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1057	1057	1057	1057	1057	
5°	1053	1054	1051	1056	1058	100
15°	1019	1020	1018	1021	1022	288
25°	945	946	944	947	947	436
35°	833	833	832	831	830	520
45°	665	667	660	659	654	512
55°	456	440	419	424	438	408
65°	271	250	236	243	260	270
75°	130	131	132	130	128	139
85°	28	33	34	33	28	35
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1057.1	1057.1	1057.1	1057.1	1057.1
2.5°	1056.4	1056.8	1054.0	1058.6	1060.1
5°	1053.3	1054.0	1051.4	1056.4	1057.5
7.5°	1048.8	1049.5	1046.9	1051.8	1052.2
10°	1041.3	1041.7	1039.3	1044.3	1045.0
12.5°	1031.1	1032.2	1029.6	1034.1	1034.4
15°	1018.9	1019.7	1017.8	1021.2	1022.3
17.5°	1004.6	1005.0	1003.1	1006.8	1007.2
20°	986.7	986.7	985.2	989.5	989.5
22.5°	968.6	967.5	967.1	968.6	970.9
25°	945.2	946.3	943.7	946.7	947.4
27.5°	922.6	922.6	920.2	921.7	919.8
30°	896.5	895.0	893.4	893.7	891.9
32.5°	865.0	865.0	864.3	864.3	862.0
35°	832.6	833.3	831.8	831.4	830.3
37.5°	797.7	798.9	796.2	795.5	794.7
40°	758.0	758.0	756.9	755.4	753.5
42.5°	716.8	716.8	712.0	708.1	705.5
45°	665.4	666.9	660.5	659.0	653.7
47.5°	614.3	613.2	604.6	603.5	600.4
50°	559.9	553.5	541.1	544.4	547.1
52.5°	505.5	497.5	479.4	483.1	487.7
55°	455.9	440.1	419.0	424.2	437.8
57.5°	404.1	383.0	361.8	371.7	388.6
60°	358.4	334.6	311.6	322.1	341.8
62.5°	314.6	289.3	270.8	280.9	297.5
65°	270.8	249.9	235.6	243.4	259.8
67.5°	230.6	216.6	206.9	210.6	223.8
70°	194.4	185.6	180.4	181.5	189.0
72.5°	159.9	157.7	155.8	155.8	156.5
75°	130.1	131.2	132.3	130.5	127.5
77.5°	102.5	106.2	108.9	105.1	101.4
80°	75.3	81.3	84.8	80.5	74.9
82.5°	51.4	58.2	59.3	56.7	50.3
85°	28.3	33.2	33.7	32.6	28.3
87.5°	10.6	12.5	13.6	12.5	11.0
90°	0.0	0.0	0.0	0.0	0.0



— 0°-180° - - 45°-225° 90°-270°

(END OF REPORT)