

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: P1050346

Luminaire Tested: PTR-14-40-PP3-L830-UNV-STD-W

Issue Date: 7/11/2025

Test Information

Test Method: LM-79-2019
Report Number: P1050346
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: PTR-14-40-PP3-L830-UNV-STD-W
Description: 8000 LUMEN 1X4 PERCEIVE PT TROFFER WITH 3000K, 80 CRI LEDS AND PRISM LENS

Light Source:
Ballast/Driver: -

Summary

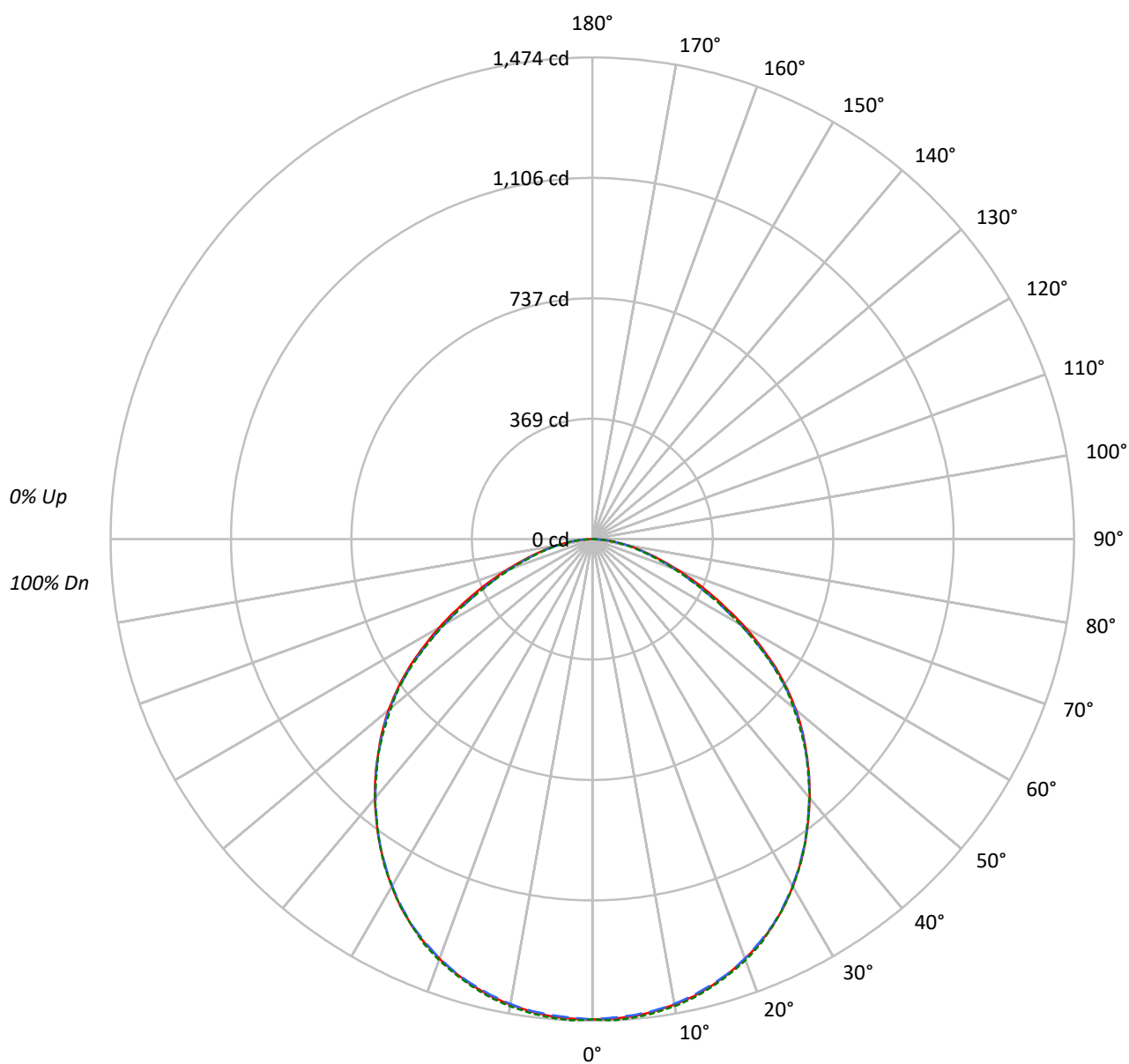
Lumens per Lamp: N/A
Luminaire Lumens: 3796.8 lumens
Efficiency: N/A
Efficacy: 118.3 lumens/watt
Spacing Criteria (0/90/45): 1.24 / 1.24 / 1.34
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 32.1
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°	3954	3954	3954
5°	3958	3949	3971
10°	3952	3947	3966
15°	3940	3932	3950
20°	3914	3910	3927
25°	3879	3872	3877
30°	3813	3805	3813
35°	3730	3725	3729
40°	3635	3623	3633
45°	3526	3515	3520
50°	3408	3391	3367
55°	3208	3171	3161
60°	2911	2813	2819
65°	2557	2429	2425
70°	2211	2110	2086
75°	1912	1841	1802
80°	1694	1671	1595
85°	1402	1448	1365

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°

Vertical Angle: 45°

Luminance: 3538 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	139.4	3.7
10°-20°	399.2	10.5
20°-30°	601.1	15.8
30°-40°	709.4	18.7
40°-50°	713.5	18.8
50°-60°	602.3	15.9
60°-70°	386.8	10.2
70°-80°	192.4	5.1
80°-90°	52.7	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°	1139.7	30.0
0°-40°	1849.1	48.7
0°-60°	3164.8	83.4
0°-90°	3796.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3796.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1470	1470	1470	1470	1470	
5°	1465	1466	1462	1469	1470	139
15°	1414	1414	1411	1418	1418	399
25°	1306	1307	1304	1307	1306	601
35°	1136	1136	1134	1135	1135	710
45°	926	930	924	925	925	715
55°	684	683	676	673	674	608
65°	402	396	381	378	381	400
75°	184	183	177	175	173	199
85°	45	47	47	44	44	53
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1469.5	1469.5	1469.5	1469.5	1469.5
2.5°	1468.9	1469.5	1465.6	1472.6	1473.8
5°	1465.2	1465.6	1461.9	1468.9	1469.9
7.5°	1457.7	1458.2	1455.0	1461.3	1462.5
10°	1446.4	1448.2	1444.3	1450.3	1451.3
12.5°	1432.7	1433.2	1429.4	1436.3	1437.5
15°	1414.1	1414.4	1411.3	1417.7	1417.7
17.5°	1392.5	1393.1	1391.0	1396.4	1395.8
20°	1366.6	1368.1	1365.4	1369.1	1371.2
22.5°	1338.3	1338.9	1335.6	1340.4	1342.5
25°	1306.3	1306.7	1304.2	1306.7	1305.7
27.5°	1268.9	1269.9	1266.2	1268.9	1269.5
30°	1227.2	1229.9	1224.7	1226.8	1227.2
32.5°	1182.5	1184.0	1180.3	1180.9	1183.6
35°	1135.5	1136.1	1134.0	1135.0	1135.0
37.5°	1085.0	1087.1	1083.8	1085.4	1083.2
40°	1034.8	1032.6	1031.5	1032.6	1034.2
42.5°	981.9	982.4	980.9	979.7	977.2
45°	926.4	929.7	923.7	924.9	924.9
47.5°	872.2	872.5	869.4	866.1	864.0
50°	814.0	814.0	810.1	807.6	804.3
52.5°	750.4	749.5	745.2	742.5	744.0
55°	683.8	683.2	675.8	673.1	673.7
57.5°	610.7	611.9	600.6	597.9	597.9
60°	540.9	535.5	522.7	519.0	523.7
62.5°	467.7	461.3	447.5	447.5	451.2
65°	401.6	395.8	381.4	377.5	380.8
67.5°	339.8	334.3	321.1	319.0	320.0
70°	281.0	276.4	268.2	263.4	265.1
72.5°	230.4	226.2	220.8	217.1	214.9
75°	183.9	183.0	177.1	175.4	173.3
77.5°	145.6	145.2	140.3	138.2	136.1
80°	109.3	108.7	107.8	104.5	102.9
82.5°	77.9	77.9	77.3	74.6	73.1
85°	45.4	46.9	46.9	44.2	44.2
87.5°	18.2	19.2	18.2	18.2	17.6
90°	0.0	0.0	0.0	0.0	0.0



— 0°-180° - - 45°-225° 90°-270°

(END OF REPORT)