

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: P1050199

Luminaire Tested: PTR-14-40-PC3-L830-UNV-STD-W

Issue Date: 7/11/2025

Test Information

Test Method: LM-79-2019
Report Number: P1050199
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-14-40-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

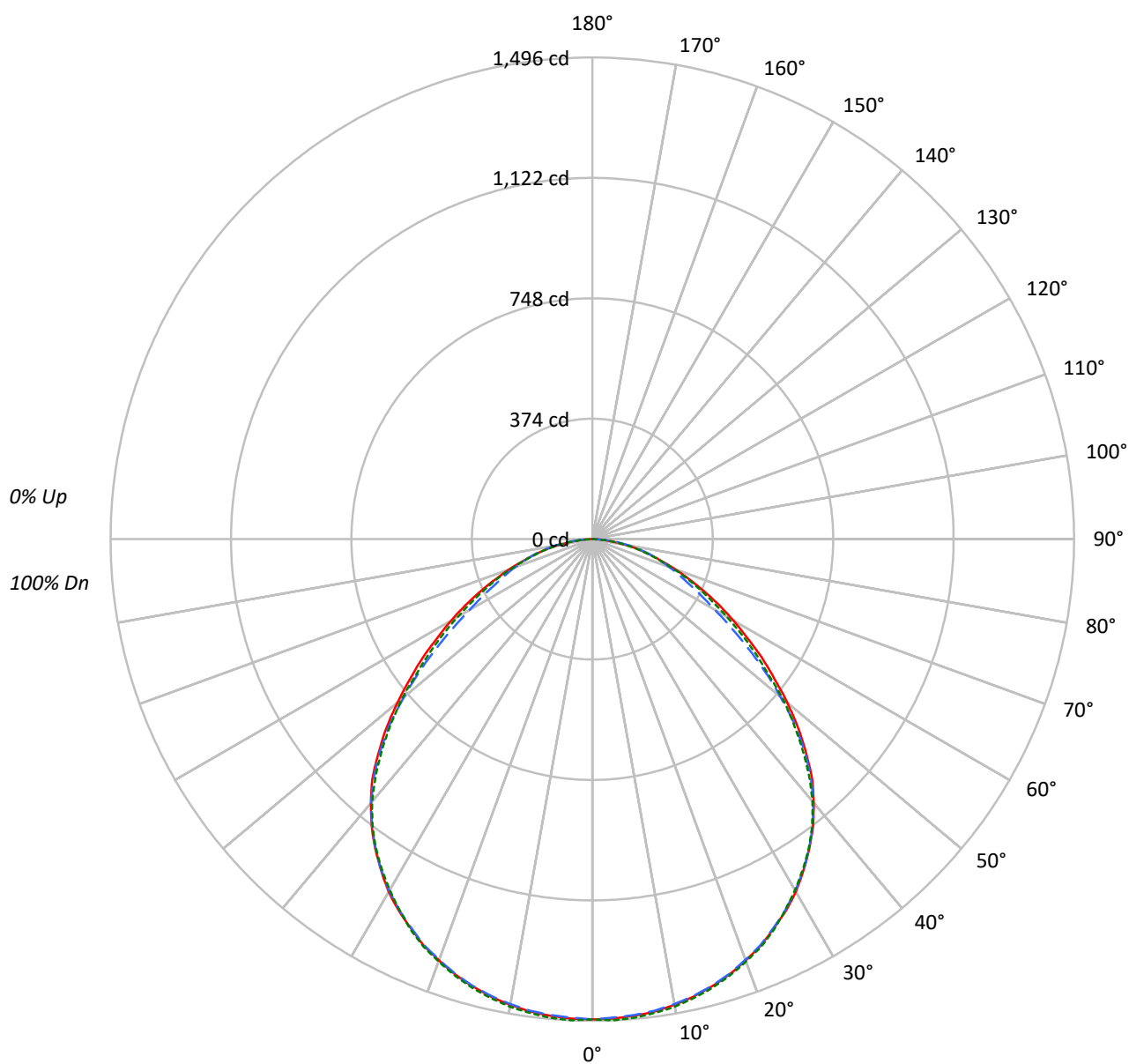
Lumens per Lamp: N/A
Luminaire Lumens: 3760.3 lumens
Efficiency: N/A
Efficacy: 117.1 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.25 / 1.34
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 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	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°	4014	4014	4014
5°	4015	4008	4031
10°	4015	4007	4029
15°	4005	4001	4019
20°	3987	3981	3998
25°	3960	3954	3969
30°	3930	3917	3911
35°	3859	3855	3848
40°	3757	3752	3735
45°	3573	3546	3510
50°	3308	3196	3232
55°	3018	2774	2898
60°	2722	2366	2595
65°	2432	2117	2334
70°	2158	2002	2098
75°	1909	1941	1870
80°	1646	1853	1636
85°	1232	1467	1232

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°

Vertical Angle: 45°

Luminance: 3581 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	141.5	3.8
10°-20°	406.1	10.8
20°-30°	614.8	16.3
30°-40°	733.0	19.5
40°-50°	716.2	19.0
50°-60°	547.6	14.6
60°-70°	351.6	9.4
70°-80°	195.6	5.2
80°-90°	54.0	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°	1162.3	30.9
0°-40°	1895.3	50.4
0°-60°	3159.1	84.0
0°-90°	3760.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3760.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1492	1492	1492	1492	1492	
5°	1486	1487	1484	1491	1492	141
15°	1438	1439	1436	1441	1442	406
25°	1334	1335	1332	1336	1337	615
35°	1175	1176	1174	1173	1172	734
45°	939	941	932	930	922	722
55°	643	621	591	598	618	575
65°	382	353	332	344	366	381
75°	184	185	187	184	180	196
85°	40	47	48	46	40	49
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1491.5	1491.5	1491.5	1491.5	1491.5
2.5°	1490.6	1491.1	1487.3	1493.7	1495.8
5°	1486.3	1487.3	1483.6	1490.6	1492.1
7.5°	1479.9	1480.9	1477.2	1484.2	1484.7
10°	1469.2	1469.8	1466.5	1473.5	1474.5
12.5°	1454.9	1456.4	1452.8	1459.2	1459.5
15°	1437.6	1438.8	1436.1	1440.9	1442.5
17.5°	1417.5	1418.1	1415.3	1420.6	1421.2
20°	1392.3	1392.3	1390.1	1396.2	1396.2
22.5°	1366.7	1365.1	1364.6	1366.7	1370.0
25°	1333.7	1335.3	1331.6	1335.9	1336.8
27.5°	1301.8	1301.8	1298.5	1300.6	1297.9
30°	1264.9	1262.8	1260.7	1261.1	1258.5
32.5°	1220.5	1220.5	1219.6	1219.6	1216.3
35°	1174.8	1175.8	1173.6	1173.1	1171.5
37.5°	1125.6	1127.3	1123.4	1122.5	1121.3
40°	1069.6	1069.6	1068.0	1065.9	1063.2
42.5°	1011.4	1011.4	1004.6	999.2	995.5
45°	938.9	941.0	931.9	929.8	922.4
47.5°	866.8	865.3	853.0	851.5	847.2
50°	790.1	780.9	763.5	768.1	772.0
52.5°	713.3	702.1	676.5	681.7	688.1
55°	643.3	621.0	591.2	598.5	617.7
57.5°	570.2	540.4	510.5	524.5	548.3
60°	505.7	472.2	439.6	454.5	482.2
62.5°	443.9	408.2	382.0	396.4	419.8
65°	382.0	352.6	332.4	343.5	366.5
67.5°	325.4	305.7	291.9	297.1	315.7
70°	274.3	261.9	254.5	256.0	266.7
72.5°	225.6	222.5	219.8	219.8	220.8
75°	183.6	185.1	186.7	184.1	179.9
77.5°	144.6	149.8	153.7	148.3	143.0
80°	106.2	114.7	119.6	113.6	105.6
82.5°	72.5	82.2	83.7	80.1	70.9
85°	39.9	46.9	47.5	45.9	39.9
87.5°	14.9	17.6	19.2	17.6	15.5
90°	0.0	0.0	0.0	0.0	0.0



— 0°-180° - - 45°-225° 90°-270°

(END OF REPORT)