

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: P1050621

Luminaire Tested: 24PTR-35-PC3-L830-UNV-STD-W

Issue Date: 7/11/2025

Test Information

Test Method: LM-79-2019
Report Number: P1050621
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: 24PTR-35-PC3-L830-UNV-STD-W
Description: 3500 LUMEN 2X4 PERCEIVE PT TROFFER WITH 3000K, 80 CRI LEDS AND PARAMID LENS

Light Source:
Ballast/Driver: -

Summary

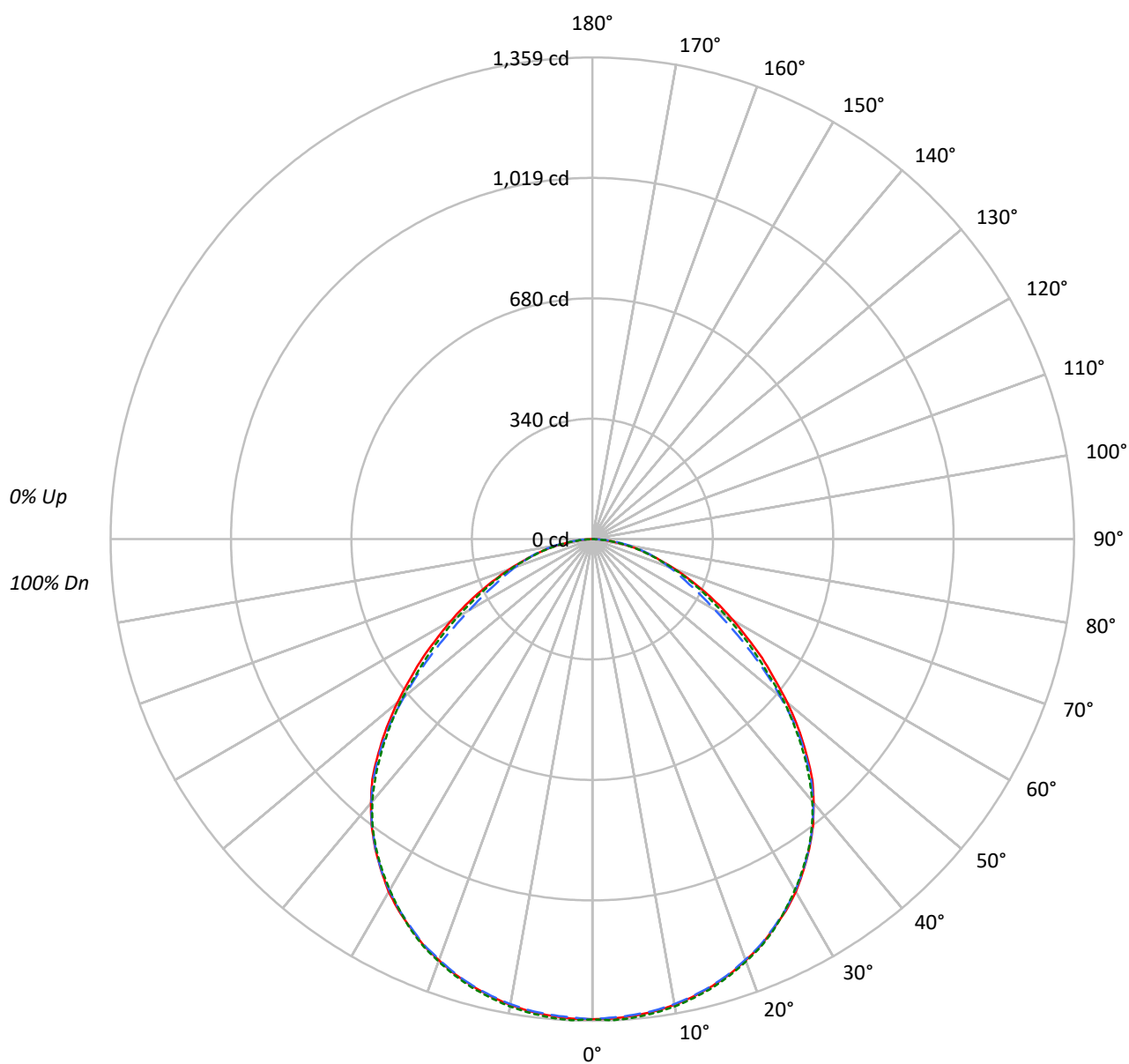
Lumens per Lamp: N/A
Luminaire Lumens: 3415.4 lumens
Efficiency: N/A
Efficacy: 122.0 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.25 / 1.34
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 28
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°	1823	1823	1823
5°	1823	1820	1830
10°	1823	1820	1830
15°	1819	1817	1825
20°	1811	1808	1816
25°	1798	1796	1803
30°	1785	1779	1776
35°	1753	1751	1748
40°	1706	1704	1696
45°	1623	1611	1594
50°	1502	1452	1468
55°	1371	1260	1316
60°	1236	1075	1179
65°	1105	961	1060
70°	980	910	953
75°	867	881	849
80°	748	841	743
85°	560	665	560

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°

Vertical Angle: 45°

Luminance: 1626 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	128.5	3.8
10°-20°	368.8	10.8
20°-30°	558.4	16.3
30°-40°	665.7	19.5
40°-50°	650.5	19.0
50°-60°	497.4	14.6
60°-70°	319.3	9.4
70°-80°	177.6	5.2
80°-90°	49.1	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°	1055.7	30.9
0°-40°	1721.4	50.4
0°-60°	2869.3	84.0
0°-90°	3415.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3415.4	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1355	1355	1355	1355	1355	
5°	1350	1351	1348	1354	1355	128
15°	1306	1307	1304	1309	1310	369
25°	1211	1213	1210	1213	1214	559
35°	1067	1068	1066	1066	1064	667
45°	853	855	846	844	838	656
55°	584	564	537	544	561	522
65°	347	320	302	312	333	346
75°	167	168	170	167	163	178
85°	36	43	43	42	36	45
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1354.7	1354.7	1354.7	1354.7	1354.7
2.5°	1353.8	1354.3	1350.8	1356.6	1358.6
5°	1349.9	1350.8	1347.5	1353.8	1355.2
7.5°	1344.1	1345.0	1341.7	1348.0	1348.5
10°	1334.5	1335.0	1332.0	1338.3	1339.2
12.5°	1321.4	1322.8	1319.5	1325.3	1325.7
15°	1305.8	1306.8	1304.3	1308.8	1310.2
17.5°	1287.4	1288.0	1285.5	1290.3	1290.8
20°	1264.6	1264.6	1262.6	1268.1	1268.1
22.5°	1241.3	1239.9	1239.4	1241.3	1244.3
25°	1211.4	1212.8	1209.5	1213.3	1214.2
27.5°	1182.3	1182.3	1179.4	1181.3	1178.8
30°	1148.9	1147.0	1145.0	1145.4	1143.1
32.5°	1108.6	1108.6	1107.7	1107.7	1104.7
35°	1067.0	1067.9	1066.0	1065.5	1064.0
37.5°	1022.3	1023.9	1020.4	1019.5	1018.4
40°	971.4	971.4	970.0	968.1	965.6
42.5°	918.6	918.6	912.5	907.5	904.2
45°	852.8	854.7	846.4	844.5	837.8
47.5°	787.3	785.9	774.8	773.4	769.5
50°	717.6	709.3	693.5	697.7	701.2
52.5°	647.9	637.7	614.4	619.2	625.0
55°	584.3	564.1	537.0	543.6	561.1
57.5°	517.9	490.8	463.7	476.4	498.0
60°	459.3	428.9	399.3	412.8	438.0
62.5°	403.2	370.8	347.0	360.0	381.3
65°	347.0	320.2	301.9	312.0	332.9
67.5°	295.6	277.6	265.1	269.9	286.8
70°	249.1	237.8	231.2	232.6	242.2
72.5°	204.9	202.1	199.6	199.6	200.5
75°	166.7	168.1	169.5	167.2	163.4
77.5°	131.3	136.1	139.6	134.7	129.9
80°	96.5	104.2	108.6	103.2	95.9
82.5°	65.8	74.6	76.1	72.7	64.4
85°	36.3	42.6	43.1	41.7	36.3
87.5°	13.6	16.0	17.4	16.0	14.1
90°	0.0	0.0	0.0	0.0	0.0



— 0°-180° - - 45°-225° 90°-270°

(END OF REPORT)