

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: P1050862

Luminaire Tested: 24PTR-30-PP3-L835-UNV-STD-W

Issue Date: 7/11/2025

Test Information

Test Method: LM-79-2019
Report Number: P1050862
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: 24PTR-30-PP3-L835-UNV-STD-W
Description: 3000 LUMEN 2X4 PERCEIVE PT TROFFER WITH 3500K, 80 CRI LEDS AND PRISM LENS

Light Source:
Ballast/Driver: -

Summary

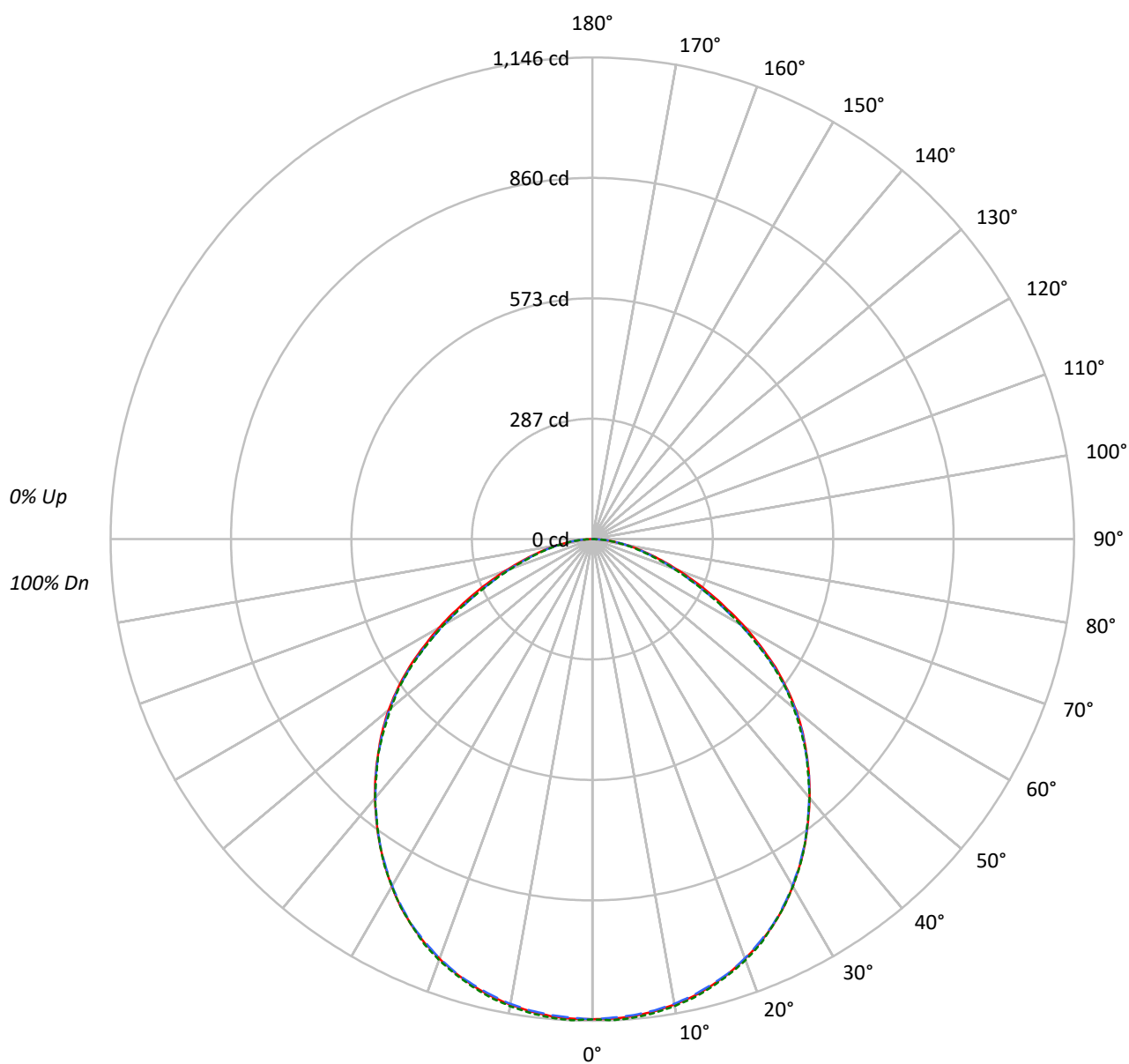
Lumens per Lamp: N/A
Luminaire Lumens: 2951.7 lumens
Efficiency: N/A
Efficacy: 123.0 lumens/watt
Spacing Criteria (0/90/45): 1.24 / 1.24 / 1.34
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 24
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°	1537	1537	1537
5°	1539	1535	1543
10°	1536	1534	1541
15°	1531	1528	1535
20°	1521	1520	1526
25°	1508	1505	1507
30°	1482	1479	1482
35°	1450	1448	1449
40°	1413	1408	1412
45°	1370	1366	1368
50°	1325	1318	1309
55°	1247	1232	1228
60°	1132	1094	1095
65°	994	944	943
70°	860	820	811
75°	743	716	700
80°	659	649	620
85°	545	563	531

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°

Vertical Angle: 45°

Luminance: 1375 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	108.3	3.7
10°-20°	310.4	10.5
20°-30°	467.3	15.8
30°-40°	551.5	18.7
40°-50°	554.7	18.8
50°-60°	468.3	15.9
60°-70°	300.7	10.2
70°-80°	149.6	5.1
80°-90°	41.0	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°	886.0	30.0
0°-40°	1437.5	48.7
0°-60°	2460.4	83.4
0°-90°	2951.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2951.7	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1142	1142	1142	1142	1142	
5°	1139	1139	1136	1142	1143	108
15°	1099	1100	1097	1102	1102	310
25°	1016	1016	1014	1016	1015	467
35°	883	883	882	882	882	552
45°	720	723	718	719	719	556
55°	532	531	525	523	524	473
65°	312	308	296	294	296	311
75°	143	142	138	136	135	155
85°	35	36	36	34	34	42
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1142.4	1142.4	1142.4	1142.4	1142.4
2.5°	1142.0	1142.4	1139.4	1144.8	1145.7
5°	1139.1	1139.4	1136.5	1142.0	1142.7
7.5°	1133.2	1133.7	1131.1	1136.1	1137.0
10°	1124.5	1125.8	1122.8	1127.5	1128.2
12.5°	1113.8	1114.2	1111.2	1116.6	1117.5
15°	1099.3	1099.6	1097.2	1102.2	1102.2
17.5°	1082.6	1083.0	1081.4	1085.6	1085.2
20°	1062.4	1063.6	1061.5	1064.4	1066.0
22.5°	1040.4	1040.9	1038.3	1042.1	1043.7
25°	1015.5	1015.8	1013.9	1015.8	1015.1
27.5°	986.5	987.2	984.4	986.5	986.9
30°	954.1	956.2	952.1	953.8	954.1
32.5°	919.3	920.5	917.6	918.1	920.2
35°	882.8	883.3	881.6	882.3	882.3
37.5°	843.5	845.1	842.6	843.8	842.1
40°	804.4	802.8	801.9	802.8	804.0
42.5°	763.3	763.8	762.6	761.7	759.7
45°	720.2	722.8	718.1	719.0	719.0
47.5°	678.0	678.3	675.9	673.4	671.7
50°	632.8	632.8	629.8	627.9	625.3
52.5°	583.4	582.7	579.3	577.2	578.4
55°	531.6	531.1	525.4	523.3	523.7
57.5°	474.8	475.7	466.9	464.8	464.8
60°	420.5	416.3	406.4	403.5	407.1
62.5°	363.6	358.6	347.9	347.9	350.8
65°	312.2	307.7	296.5	293.5	296.1
67.5°	264.1	259.9	249.7	248.0	248.8
70°	218.5	214.9	208.5	204.8	206.1
72.5°	179.2	175.8	171.6	168.8	167.1
75°	143.0	142.2	137.7	136.4	134.7
77.5°	113.2	112.9	109.1	107.4	105.8
80°	85.0	84.5	83.8	81.2	80.0
82.5°	60.6	60.6	60.1	58.0	56.8
85°	35.3	36.5	36.5	34.4	34.4
87.5°	14.2	14.9	14.2	14.2	13.7
90°	0.0	0.0	0.0	0.0	0.0



— 0°-180° - - 45°-225° 90°-270°

(END OF REPORT)