

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: P1051016

Luminaire Tested: 24PTR-30-PW1-L835-UNV-STD-W

Issue Date: 7/11/2025

Test Information

Test Method: LM-79-2019
Report Number: P1051016
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P737743)
Test Lab: INNOVATION CENTER
Issue Date: 7/11/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: 24PTR-30-PW1-L835-UNV-STD-W
Description: 3000 LUMEN 2X4 PERCEIVE PT TROFFER WITH 3500K, 80 CRI LEDS AND WAVES LENS

Light Source:
Ballast/Driver: -

Summary

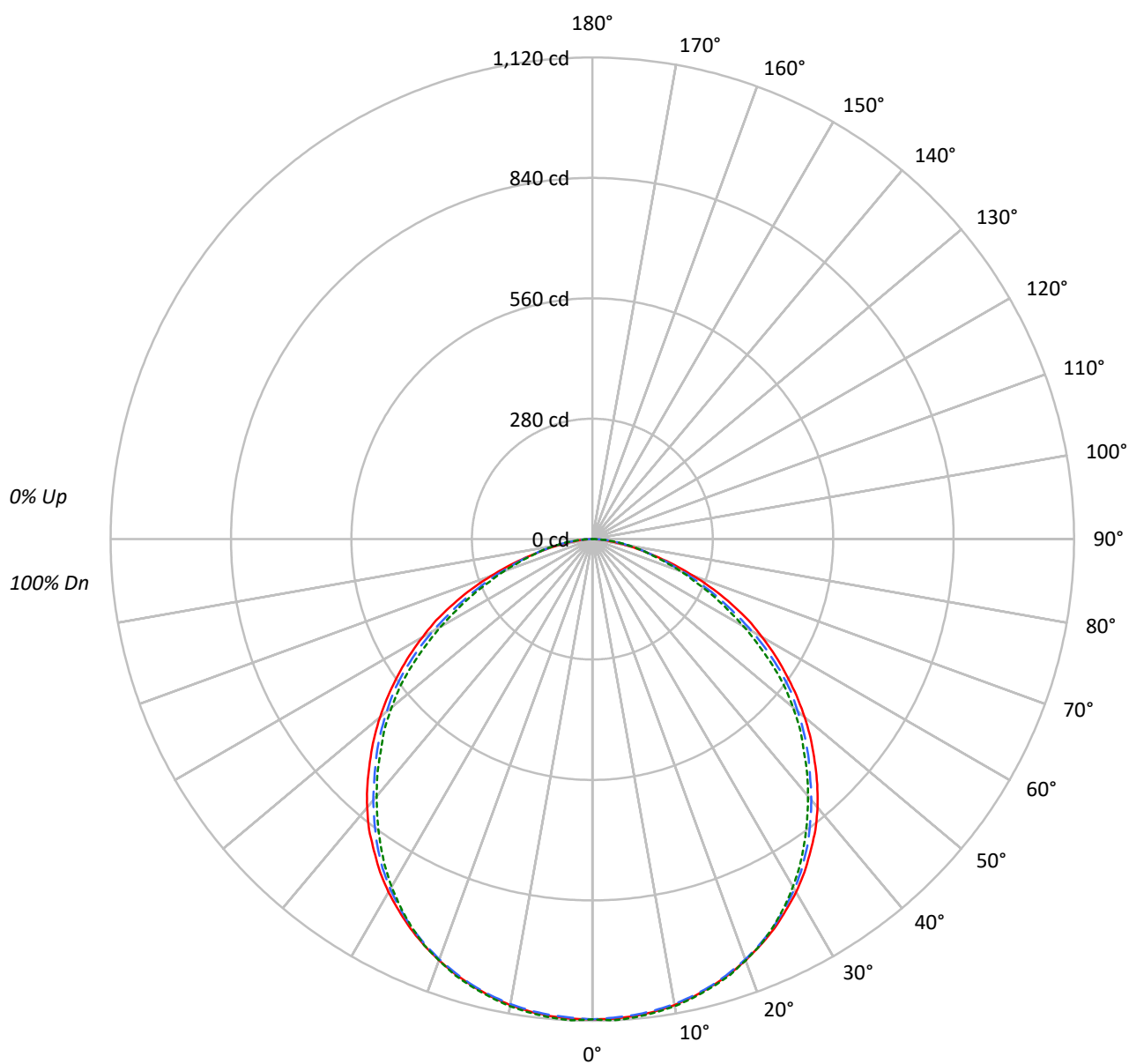
Lumens per Lamp: N/A
Luminaire Lumens: 2963.3 lumens
Efficiency: N/A
Efficacy: 123.5 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.24 / 1.34
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

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	95	98	95	92	94	92	90	91	89	87	85		
2	100	92	85	80	97	90	84	79	86	81	77	83	79	75	80	77	74	71		
3	91	81	73	67	89	79	72	66	76	70	65	74	68	64	71	67	63	61		
4	84	72	63	57	81	71	63	57	68	61	56	66	60	55	64	59	54	52		
5	77	64	56	49	75	63	55	49	61	54	48	59	53	48	57	52	47	45		
6	71	58	49	43	69	57	49	43	55	48	42	54	47	42	52	46	42	40		
7	66	53	44	38	64	52	44	38	50	43	38	49	42	37	48	42	37	35		
8	62	48	40	34	60	48	40	34	46	39	34	45	38	34	44	38	33	31		
9	58	44	36	31	56	44	36	31	43	35	30	41	35	30	40	34	30	28		
10	54	41	33	28	53	40	33	28	39	32	28	38	32	28	38	32	27	26		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1502	1502	1502
5°	1504	1500	1508
10°	1503	1500	1507
15°	1498	1496	1502
20°	1492	1489	1492
25°	1484	1478	1477
30°	1473	1460	1450
35°	1453	1431	1413
40°	1431	1392	1370
45°	1391	1350	1323
50°	1349	1305	1275
55°	1293	1249	1199
60°	1226	1153	1093
65°	1134	1030	979
70°	983	897	863
75°	785	767	747
80°	597	666	666
85°	442	568	568

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 1391 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	105.9	3.6
10°-20°	303.7	10.3
20°-30°	459.1	15.5
30°-40°	545.1	18.4
40°-50°	549.1	18.5
50°-60°	474.7	16.0
60°-70°	324.4	10.9
70°-80°	160.0	5.4
80°-90°	41.4	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°	868.7	29.3
0°-40°	1413.8	47.7
0°-60°	2437.6	82.3
0°-90°	2963.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2963.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1117	1117	1117	1117	1117	
5°	1113	1114	1111	1115	1117	106
15°	1076	1077	1074	1078	1078	304
25°	1000	999	996	996	995	460
35°	885	882	871	864	860	554
45°	731	723	710	701	695	564
55°	551	550	532	517	511	493
65°	356	343	324	309	308	352
75°	151	150	148	148	144	165
85°	29	34	37	38	37	35
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1116.6	1116.6	1116.6	1116.6	1116.6
2.5°	1116.3	1116.6	1113.8	1118.7	1119.9
5°	1113.3	1113.8	1110.9	1115.4	1116.6
7.5°	1108.1	1108.8	1105.5	1110.0	1110.9
10°	1100.1	1100.6	1097.7	1102.2	1103.1
12.5°	1089.4	1089.7	1087.3	1091.4	1091.4
15°	1075.7	1076.9	1074.1	1077.9	1078.2
17.5°	1060.4	1060.9	1058.0	1062.1	1063.0
20°	1042.2	1042.2	1039.8	1043.1	1042.2
22.5°	1021.9	1021.9	1019.1	1020.7	1021.5
25°	999.7	998.8	995.5	996.4	994.7
27.5°	974.0	974.0	968.1	968.1	965.2
30°	947.9	945.8	939.7	935.9	933.1
32.5°	918.0	915.2	907.4	900.7	898.6
35°	884.7	881.6	871.3	863.5	860.1
37.5°	852.3	845.7	832.0	824.2	820.5
40°	814.6	806.3	792.3	781.5	779.9
42.5°	774.1	767.5	749.3	741.4	739.4
45°	731.1	723.2	709.5	701.2	695.1
47.5°	688.9	683.0	667.4	657.5	655.4
50°	644.5	639.6	623.5	612.8	609.1
52.5°	598.7	595.4	581.7	568.0	563.5
55°	551.2	549.5	532.5	516.7	511.3
57.5°	504.4	502.3	481.1	462.9	458.0
60°	455.6	449.4	428.6	411.7	406.2
62.5°	409.2	396.0	373.6	360.4	354.2
65°	356.2	343.4	323.6	309.4	307.5
67.5°	304.2	288.8	273.5	264.8	258.1
70°	249.9	239.5	227.9	220.6	219.4
72.5°	199.4	192.0	186.1	181.6	177.9
75°	151.0	149.7	147.6	147.6	143.6
77.5°	111.0	113.8	115.5	115.0	115.9
80°	77.0	82.7	86.0	86.5	86.0
82.5°	48.9	55.5	60.9	61.6	62.5
85°	28.6	33.5	36.8	37.6	36.8
87.5°	12.8	16.1	17.0	17.7	17.0
90°	0.0	0.0	0.0	0.0	0.0



— 0°-180° - - 45°-225° 90°-270°

(END OF REPORT)