

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: P1050598

Luminaire Tested: 24PTR-30-PB1-L935-UNV-STD-W

Issue Date: 7/11/2025

Test Information

Test Method: LM-79-2019
Report Number: P1050598
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P737703)
Test Lab: INNOVATION CENTER
Issue Date: 7/11/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: 24PTR-30-PB1-L935-UNV-STD-W
Description: 3000 LUMEN 2X4 PERCEIVE PT TROFFER WITH 3500K, 90 CRI LEDS AND FROSTED LENS

Light Source:
Ballast/Driver: -

Summary

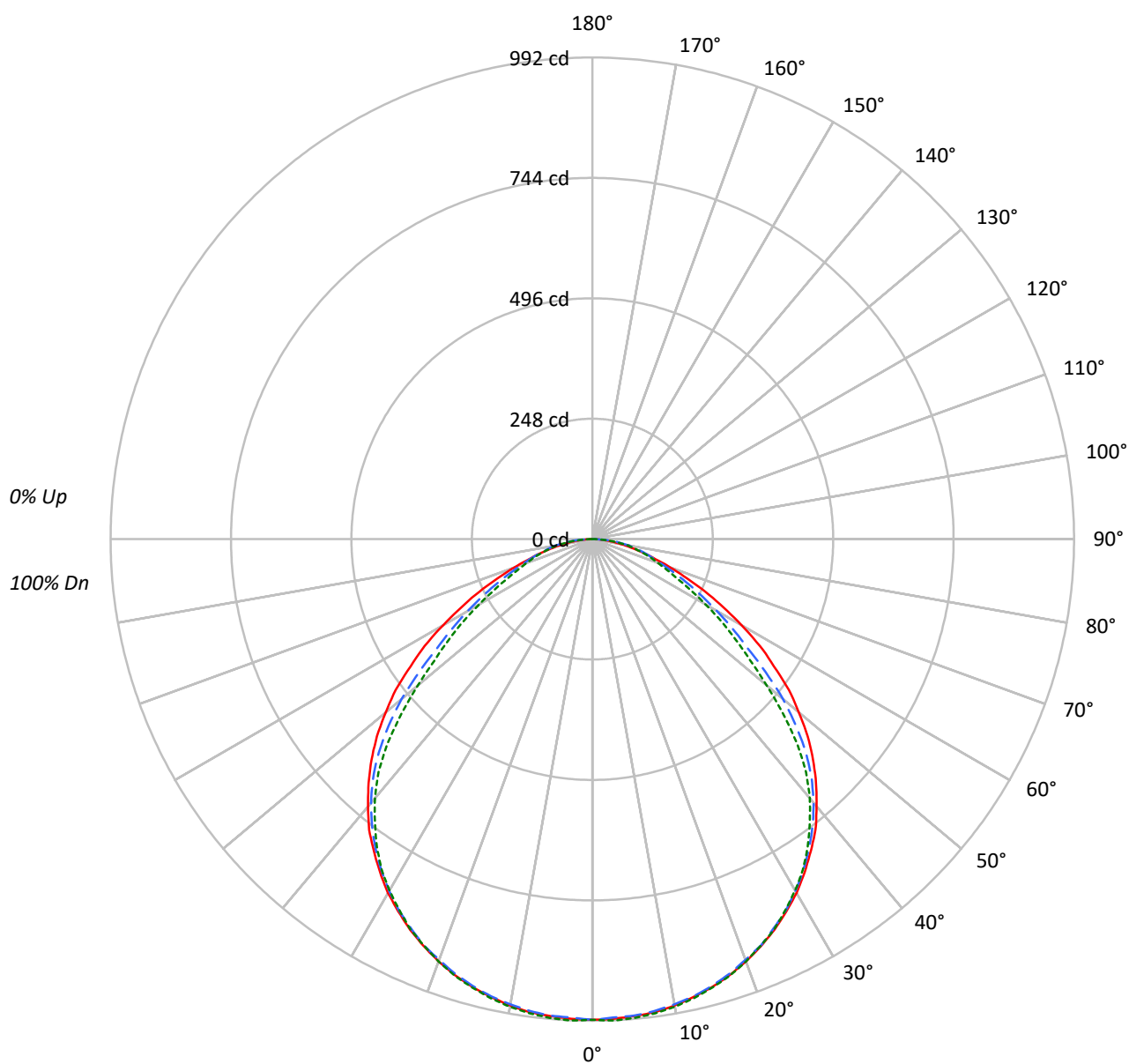
Lumens per Lamp: N/A
Luminaire Lumens: 2468.7 lumens
Efficiency: N/A
Efficacy: 102.9 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.25 / 1.34
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 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	110	105	101	98	107	103	99	96	99	96	93	95	93	90	91	89	88	86		
2	100	93	86	81	98	91	85	80	87	83	78	84	80	77	81	78	75	73		
3	92	82	75	69	90	81	74	68	78	72	67	75	70	66	73	68	64	62		
4	85	73	65	59	83	72	64	58	70	63	58	67	62	57	65	60	56	54		
5	78	66	57	51	76	65	57	51	63	56	50	61	55	50	59	54	49	47		
6	72	60	51	45	71	59	51	45	57	50	44	55	49	44	54	48	44	42		
7	67	54	46	40	66	53	45	40	52	45	39	51	44	39	49	43	39	37		
8	63	50	41	36	61	49	41	36	48	41	35	46	40	35	45	39	35	33		
9	59	46	38	32	57	45	37	32	44	37	32	43	36	32	42	36	32	30		
10	55	42	34	29	54	42	34	29	41	34	29	40	33	29	39	33	29	27		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1332	1332	1332
5°	1332	1331	1337
10°	1333	1329	1336
15°	1330	1327	1332
20°	1325	1320	1325
25°	1318	1312	1316
30°	1307	1300	1298
35°	1288	1278	1270
40°	1262	1245	1223
45°	1223	1184	1135
50°	1162	1073	981
55°	1071	911	845
60°	954	797	724
65°	818	690	617
70°	675	609	565
75°	570	582	551
80°	481	594	566
85°	377	602	526

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 1223 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	93.9	3.8
10°-20°	269.4	10.9
20°-30°	408.0	16.5
30°-40°	486.2	19.7
40°-50°	475.4	19.3
50°-60°	359.6	14.6
60°-70°	220.9	8.9
70°-80°	117.7	4.8
80°-90°	37.6	1.5
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°	771.2	31.2
0°-40°	1257.4	50.9
0°-60°	2092.5	84.8
0°-90°	2468.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2468.7	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	990	990	990	990	990	
5°	986	988	985	989	990	94
15°	955	956	952	956	956	269
25°	888	886	884	885	886	409
35°	784	783	778	774	773	491
45°	643	639	622	602	597	495
55°	457	434	388	366	360	409
65°	257	236	217	200	194	256
75°	110	111	112	108	106	117
85°	24	32	39	37	34	29
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	990.0	990.0	990.0	990.0	990.0
2.5°	988.9	990.0	986.3	991.3	992.4
5°	986.3	987.6	985.2	988.9	990.0
7.5°	982.7	982.7	980.3	983.9	985.2
10°	975.4	975.4	973.0	976.6	977.9
12.5°	965.7	965.7	964.4	966.9	968.2
15°	954.7	955.9	952.3	955.9	955.9
17.5°	941.3	940.2	938.9	941.3	942.6
20°	925.5	925.5	921.9	924.3	925.5
22.5°	907.2	907.2	906.0	907.2	906.0
25°	887.7	886.5	884.0	885.3	886.5
27.5°	864.6	864.6	862.2	862.2	860.9
30°	841.5	840.2	836.6	834.2	835.3
32.5°	813.5	812.2	808.6	806.2	807.3
35°	784.2	783.0	778.2	774.5	773.3
37.5°	755.0	751.3	745.2	740.3	735.5
40°	718.5	714.8	708.8	697.8	696.5
42.5°	681.9	678.3	668.5	655.2	651.5
45°	642.9	639.3	622.2	601.5	596.6
47.5°	601.5	595.5	568.6	543.1	533.4
50°	555.3	544.4	512.6	479.8	468.8
52.5°	510.2	490.8	449.4	420.1	409.2
55°	456.7	433.5	388.5	366.5	360.4
57.5°	409.2	377.5	341.0	319.1	314.2
60°	354.4	325.1	296.0	276.4	269.1
62.5°	304.4	278.8	254.5	237.4	229.0
65°	257.0	236.3	216.8	199.7	193.7
67.5°	210.7	199.7	183.8	170.5	166.8
70°	171.7	165.6	154.7	148.6	143.7
72.5°	136.4	138.8	131.6	129.1	125.4
75°	109.6	110.8	112.0	108.4	106.0
77.5°	82.8	88.9	93.7	91.3	88.9
80°	62.1	68.1	76.7	73.1	73.1
82.5°	42.6	50.0	57.3	54.8	53.6
85°	24.4	31.7	39.0	36.6	34.1
87.5°	9.7	15.9	17.0	17.0	15.9
90°	0.0	0.0	0.0	0.0	0.0



— 0°-180° - - 45°-225° 90°-270°

(END OF REPORT)