

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: P1050983

Luminaire Tested: 24PTR-30-PR1-L935-UNV-STD-W

Issue Date: 7/11/2025

Test Information

Test Method: LM-79-2019
Report Number: P1050983
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P737735)
Test Lab: INNOVATION CENTER
Issue Date: 7/11/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: 24PTR-30-PR1-L935-UNV-STD-W
Description: 3000 LUMEN 2X4 PERCEIVE PT TROFFER WITH 3500K, 90 CRI LEDS AND RIPPLE LENS

Light Source:
Ballast/Driver: -

Summary

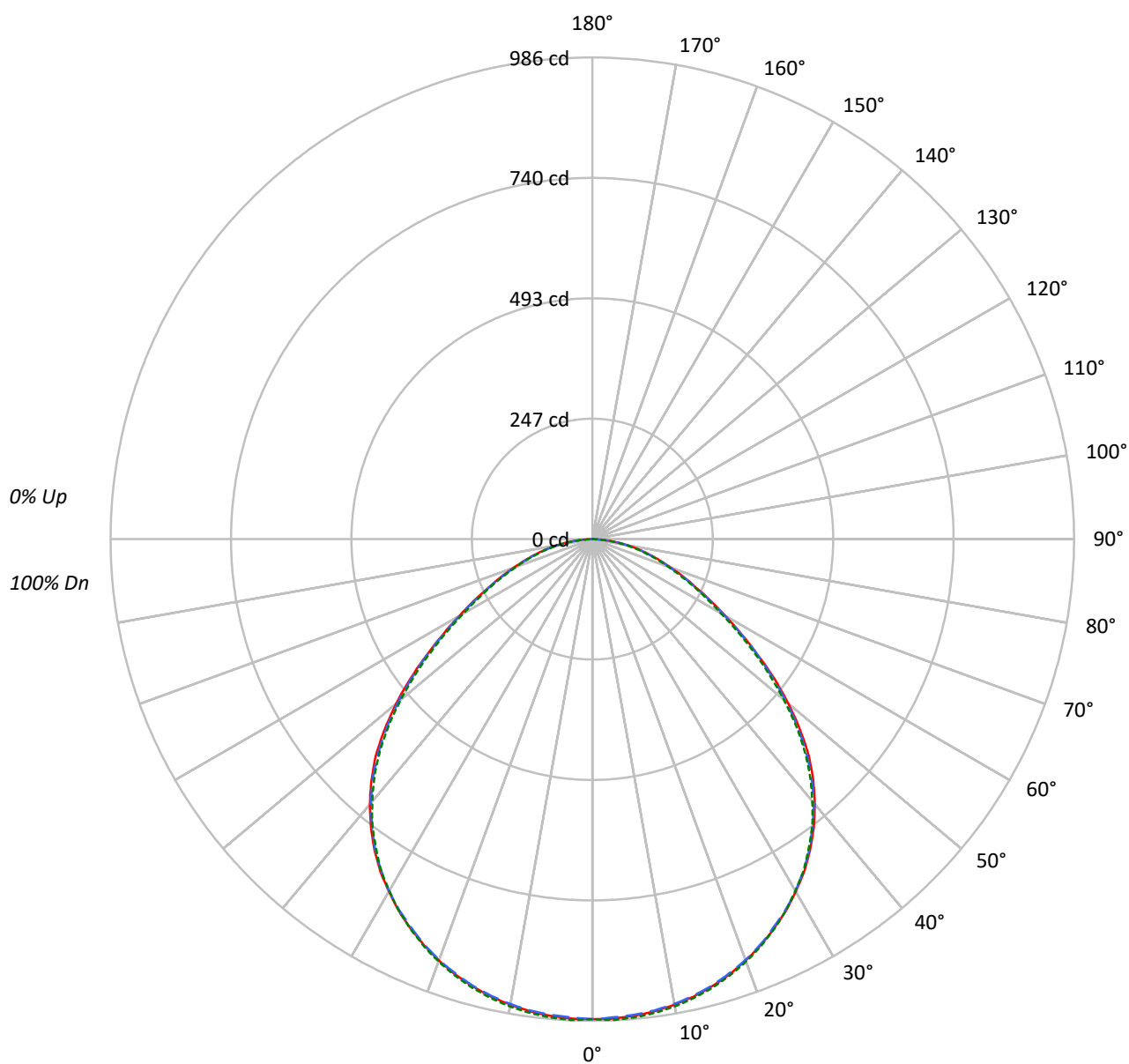
Lumens per Lamp: N/A
Luminaire Lumens: 2485.2 lumens
Efficiency: N/A
Efficacy: 103.5 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.26 / 1.34
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

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	92	90	91	89	88	85		
2	100	93	86	81	98	91	85	80	87	82	78	84	80	76	81	78	75	73		
3	92	82	74	68	90	80	73	68	78	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	45	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	39	33	29	39	33	29	27		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1322	1322	1322
5°	1323	1321	1328
10°	1322	1320	1327
15°	1320	1318	1324
20°	1314	1313	1318
25°	1306	1302	1307
30°	1294	1292	1291
35°	1276	1273	1268
40°	1244	1239	1230
45°	1192	1179	1170
50°	1097	1084	1071
55°	971	967	948
60°	844	841	818
65°	743	739	724
70°	675	665	651
75°	625	610	599
80°	570	563	543
85°	451	446	429

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 1192 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	93.2	3.8
10°-20°	267.5	10.8
20°-30°	405.3	16.3
30°-40°	483.9	19.5
40°-50°	475.8	19.1
50°-60°	367.8	14.8
60°-70°	231.9	9.3
70°-80°	125.4	5.0
80°-90°	34.3	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°	766.1	30.8
0°-40°	1249.9	50.3
0°-60°	2093.5	84.2
0°-90°	2485.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2485.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	983	983	983	983	983	
5°	980	980	978	982	983	93
15°	948	948	946	949	950	267
25°	880	880	877	880	880	405
35°	777	777	775	774	772	485
45°	626	624	620	615	615	480
55°	414	417	412	405	404	371
65°	234	234	232	228	228	235
75°	120	119	117	118	115	128
85°	29	30	29	29	28	35
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	982.7	982.7	982.7	982.7	982.7
2.5°	982.3	982.7	979.8	984.5	985.5
5°	979.8	980.2	977.7	981.9	983.0
7.5°	974.9	975.6	973.2	977.4	978.4
10°	967.8	968.6	966.2	970.4	971.4
12.5°	959.1	959.4	957.3	961.2	962.2
15°	947.5	947.7	946.1	949.1	950.5
17.5°	934.0	934.4	932.0	935.8	936.5
20°	917.9	918.2	916.8	920.0	920.3
22.5°	899.9	900.6	898.5	901.3	901.7
25°	879.5	880.2	877.3	880.2	880.5
27.5°	858.0	858.3	855.8	858.0	857.6
30°	832.9	835.1	831.9	831.1	830.9
32.5°	807.0	807.2	804.1	803.4	804.8
35°	777.0	777.3	775.2	774.2	772.0
37.5°	744.3	744.3	740.3	739.7	739.3
40°	708.3	707.9	705.5	703.1	700.5
42.5°	669.1	669.9	664.9	660.7	660.1
45°	626.5	624.1	619.5	614.6	615.0
47.5°	576.2	576.9	570.6	566.6	565.6
50°	524.0	524.0	518.1	513.9	511.7
52.5°	469.5	469.9	464.3	458.6	457.5
55°	413.8	417.3	412.1	405.4	404.0
57.5°	361.8	364.6	359.6	352.6	352.2
60°	313.5	313.8	312.4	305.7	303.9
62.5°	272.3	270.5	269.8	266.3	264.1
65°	233.5	233.9	232.1	228.2	227.5
67.5°	202.2	201.8	198.6	196.2	194.8
70°	171.5	170.5	169.0	167.0	165.6
72.5°	144.1	144.1	142.9	142.3	139.9
75°	120.2	118.8	117.3	118.0	115.2
77.5°	97.3	95.8	94.7	93.3	92.6
80°	73.6	72.2	72.6	70.4	70.1
82.5°	51.1	51.1	50.4	48.6	49.0
85°	29.2	29.6	28.9	29.2	27.8
87.5°	10.6	10.9	11.6	10.9	10.9
90°	0.0	0.0	0.0	0.0	0.0



— 0°-180° - - 45°-225° 90°-270°

(END OF REPORT)