

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: P1050741

Luminaire Tested: 24PTR-30-PL1-L930-UNV-STD-W

Issue Date: 7/11/2025

Test Information

Test Method: LM-79-2019
Report Number: P1050741
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P737719)
Test Lab: INNOVATION CENTER
Issue Date: 7/11/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: 24PTR-30-PL1-L930-UNV-STD-W
Description: 3000 LUMEN 2X4 PERCEIVE PT TROFFER WITH 3000K, 90 CRI LEDS AND LEAVES LENS

Light Source:
Ballast/Driver: -

Summary

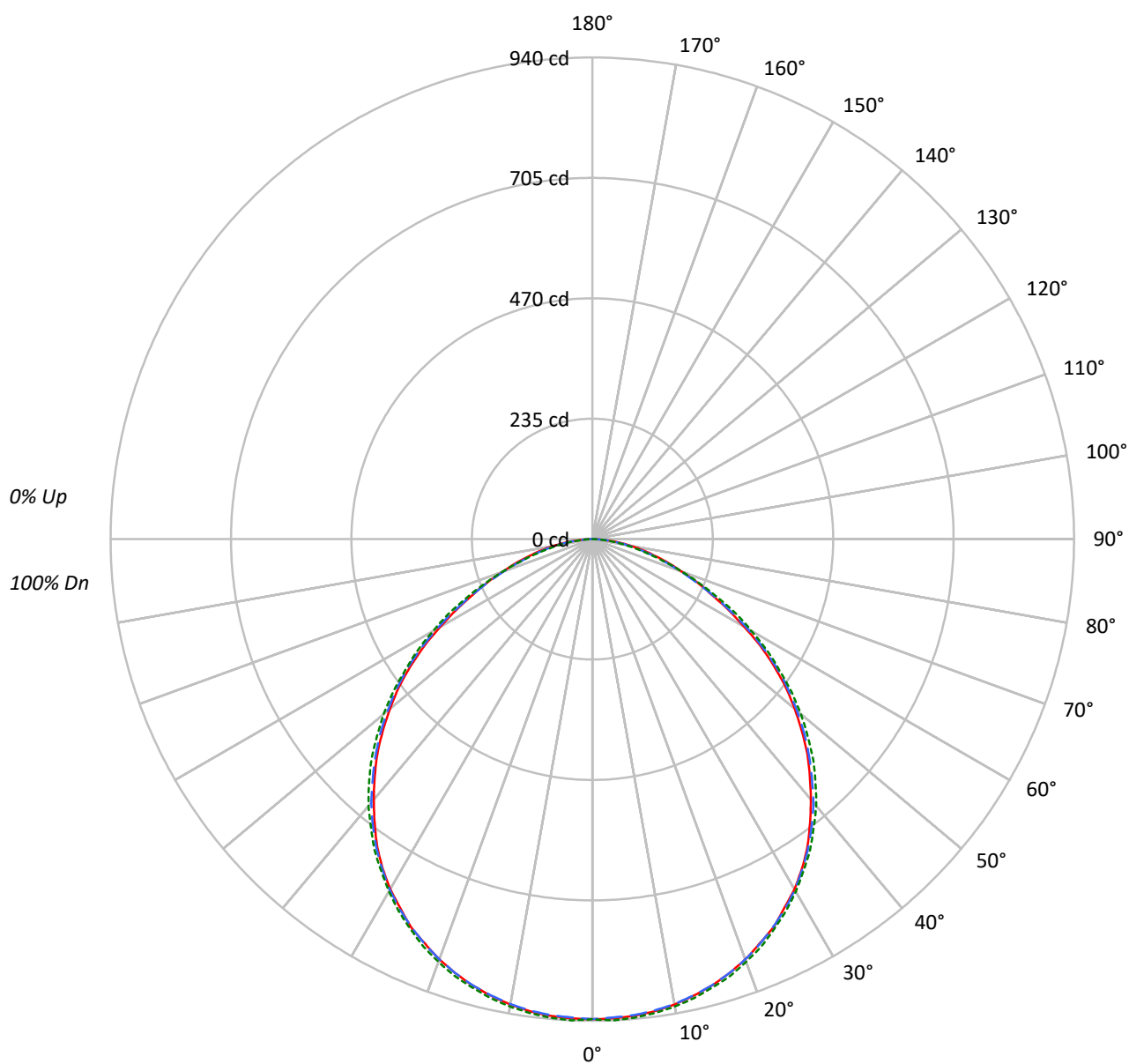
Lumens per Lamp: N/A
Luminaire Lumens: 2469.6 lumens
Efficiency: N/A
Efficacy: 102.9 lumens/watt
Spacing Criteria (0/90/45): 1.25 / 1.26 / 1.35
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

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

TEST NUMBER: P1050741

CATALOG NUMBER: 24PTR-30-PL1-L930-UNV-STD-W

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	102	102	100
1	109	105	101	97	107	103	99	96	98	95	93	94	92	90	91	89	87	87	87	85
2	100	92	86	80	97	90	84	79	87	82	77	83	79	75	80	77	74	74	74	72
3	91	81	73	67	89	80	72	66	77	70	65	74	69	64	71	67	63	63	63	61
4	84	72	64	57	82	71	63	57	68	61	56	66	60	55	64	59	55	55	55	52
5	77	65	56	49	75	64	55	49	61	54	49	60	53	48	58	52	48	48	48	46
6	71	58	50	43	69	57	49	43	56	48	43	54	47	42	52	47	42	42	42	40
7	66	53	44	38	65	52	44	38	51	43	38	49	43	38	48	42	37	37	37	35
8	62	48	40	34	60	48	40	34	46	39	34	45	39	34	44	38	34	34	34	32
9	58	44	36	31	56	44	36	31	43	36	31	42	35	30	41	35	30	30	30	29
10	54	41	33	28	53	41	33	28	40	33	28	39	32	28	38	32	28	28	28	26

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1261	1261	1261
5°	1262	1259	1266
10°	1260	1259	1266
15°	1256	1256	1262
20°	1250	1250	1257
25°	1241	1240	1247
30°	1226	1228	1233
35°	1203	1207	1217
40°	1165	1179	1194
45°	1129	1138	1160
50°	1079	1091	1112
55°	1016	1033	1045
60°	922	942	965
65°	819	828	861
70°	732	717	735
75°	660	622	610
80°	600	557	494
85°	508	462	397

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 1160 cd/sqm

TEST NUMBER: P1050741

CATALOG NUMBER: 24PTR-30-PL1-L930-UNV-STD-W

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	88.9	3.6
10°-20°	254.9	10.3
20°-30°	385.6	15.6
30°-40°	459.6	18.6
40°-50°	462.1	18.7
50°-60°	392.2	15.9
60°-70°	261.1	10.6
70°-80°	130.4	5.3
80°-90°	34.9	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°	729.3	29.5
0°-40°	1188.9	48.1
0°-60°	2043.2	82.7
0°-90°	2469.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2469.6	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	937	937	937	937	937	
5°	934	934	932	936	938	89
15°	902	903	902	905	906	254
25°	836	836	835	839	840	384
35°	732	733	735	740	741	457
45°	593	594	598	606	610	456
55°	433	436	440	444	445	386
65°	257	259	260	264	270	258
75°	127	125	120	117	117	136
85°	33	32	30	28	26	38
90°	0	0	0	0	0	

TEST NUMBER: P1050741

CATALOG NUMBER: 24PTR-30-PL1-L930-UNV-STD-W

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	936.9	936.9	936.9	936.9	936.9
2.5°	936.1	936.9	934.4	938.9	940.1
5°	934.1	934.4	932.4	936.5	937.5
7.5°	929.6	930.0	927.8	932.4	933.0
10°	922.3	923.0	921.3	925.4	926.4
12.5°	912.9	913.9	912.2	916.7	917.5
15°	901.8	902.8	901.5	905.2	906.0
17.5°	888.2	889.0	888.2	891.7	893.8
20°	872.9	872.9	872.9	876.1	877.9
22.5°	853.9	855.7	854.9	859.1	860.8
25°	836.2	836.2	835.1	839.0	839.7
27.5°	811.5	814.3	814.0	817.5	818.2
30°	788.9	789.7	790.1	792.5	793.9
32.5°	761.6	762.2	763.3	766.7	767.1
35°	732.1	732.8	734.8	740.0	740.8
37.5°	697.8	701.5	703.3	708.9	709.5
40°	663.3	665.7	671.0	676.8	679.6
42.5°	628.3	631.0	634.2	642.1	644.7
45°	593.2	594.2	598.1	606.1	609.6
47.5°	554.3	557.5	560.9	567.8	570.0
50°	515.5	518.9	521.0	527.2	531.4
52.5°	476.3	479.4	481.8	485.6	489.8
55°	433.3	436.3	440.2	444.4	445.4
57.5°	389.5	392.9	395.4	399.8	404.4
60°	342.6	346.5	349.9	354.0	358.6
62.5°	298.9	300.6	304.1	311.0	317.6
65°	257.2	259.3	260.0	263.9	270.4
67.5°	222.5	222.5	219.3	220.7	228.0
70°	186.0	184.7	182.3	180.9	186.8
72.5°	156.5	154.8	149.6	147.2	150.3
75°	127.0	125.2	119.7	116.9	117.3
77.5°	102.0	99.3	94.7	89.9	88.9
80°	77.4	76.3	71.9	67.4	63.8
82.5°	54.9	52.5	49.9	47.2	44.4
85°	32.9	32.3	29.9	28.1	25.7
87.5°	13.5	13.5	12.9	12.1	11.5
90°	0.0	0.0	0.0	0.0	0.0



— 0°-180° - - 45°-225° 90°-270°

(END OF REPORT)