

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: P1050521

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

Issue Date: 7/11/2025

Test Information

Test Method: LM-79-2019
Report Number: P1050521
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2310-200-1)
Test Lab: INNOVATION CENTER
Issue Date: 7/11/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: 24PTR-30-L935-UNV-STD-W
Description: 3000 LUMEN 2X4 PERCEIVE PT TROFFER WITH 3500K, 90 CRI LEDS AND FROSTED LENS

Light Source:
Ballast/Driver: -

Summary

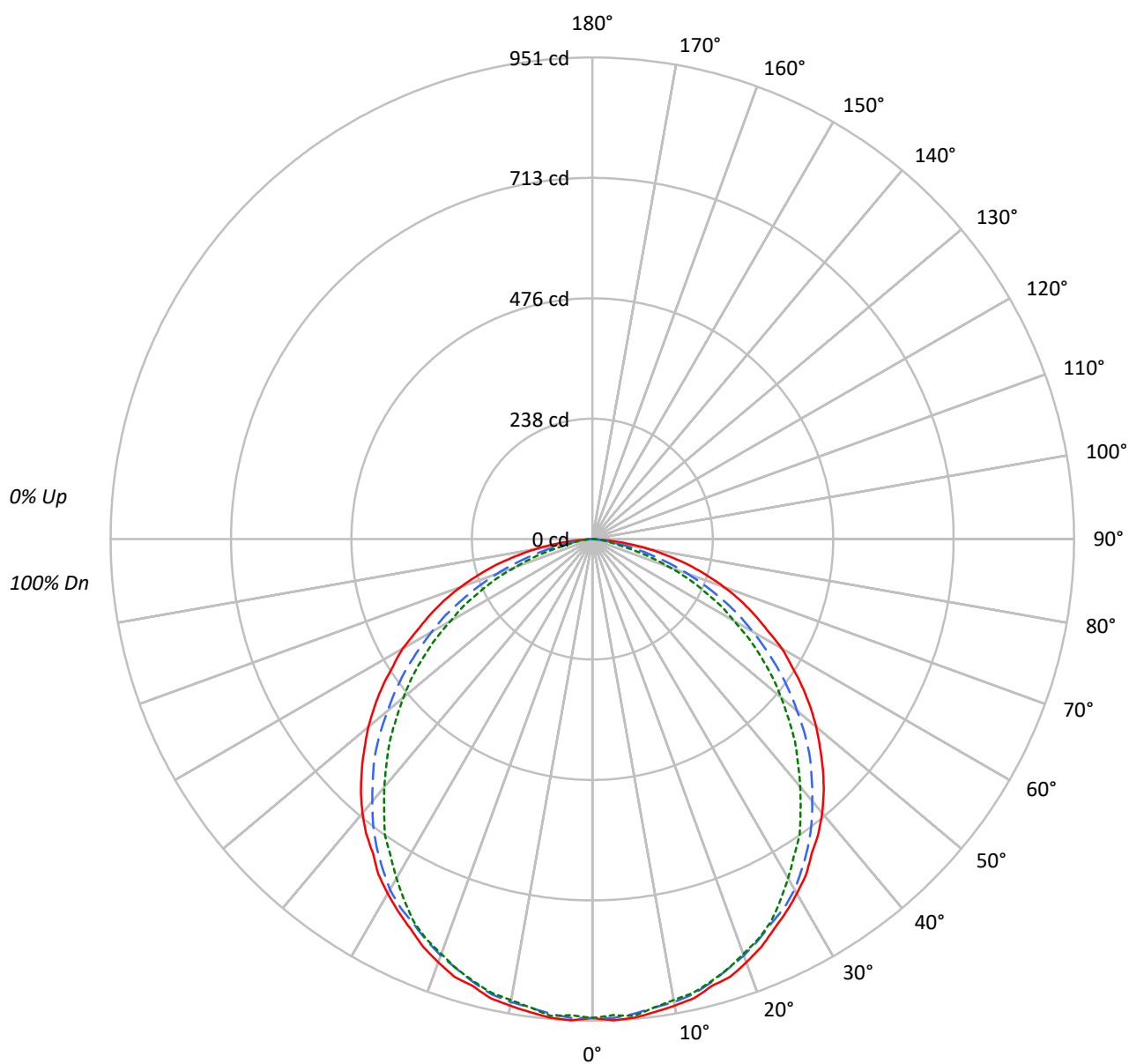
Lumens per Lamp: N/A
Luminaire Lumens: 2518.0 lumens
Efficiency: N/A
Efficacy: 104.9 lumens/watt
Spacing Criteria (0/90/45): 1.27 / 1.21 / 1.35
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

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: P1050521

CATALOG NUMBER: 24PTR-30-L935-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	95	92	90	91	89	87	87	87	85
2	100	92	85	80	97	90	84	79	87	81	77	83	79	75	80	77	74	74	74	72
3	91	81	73	67	89	79	72	66	76	70	65	74	68	64	71	67	63	63	63	61
4	84	72	63	57	81	71	63	56	68	61	56	66	60	55	64	58	54	54	54	52
5	77	64	56	49	75	63	55	49	61	54	48	59	53	48	57	52	47	47	47	45
6	71	58	49	43	69	57	49	43	55	48	42	54	47	42	52	46	42	42	42	40
7	66	53	44	38	64	52	44	38	50	43	38	49	42	37	48	42	37	37	37	35
8	61	48	40	34	60	47	39	34	46	39	34	45	38	33	44	38	33	33	33	31
9	57	44	36	31	56	44	36	30	42	35	30	41	35	30	40	34	30	30	30	28
10	54	41	33	28	53	40	33	28	39	32	28	38	32	27	37	32	27	27	27	26

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1272	1272	1272
5°	1281	1271	1276
10°	1278	1268	1262
15°	1272	1262	1260
20°	1273	1253	1248
25°	1260	1242	1238
30°	1255	1241	1201
35°	1241	1219	1172
40°	1240	1187	1121
45°	1224	1156	1077
50°	1208	1104	1018
55°	1185	1053	956
60°	1164	985	868
65°	1124	904	776
70°	1087	786	633
75°	1022	621	436
80°	886	375	262
85°	591	270	252

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 1224 cd/sqm

TEST NUMBER: P1050521

CATALOG NUMBER: 24PTR-30-L935-UNV-STD-W

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	89.6	3.6
10°-20°	256.4	10.2
20°-30°	387.3	15.4
30°-40°	460.5	18.3
40°-50°	467.0	18.5
50°-60°	405.6	16.1
60°-70°	287.9	11.4
70°-80°	137.6	5.5
80°-90°	26.1	1.0
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°	733.3	29.1
0°-40°	1193.8	47.4
0°-60°	2066.4	82.1
0°-90°	2518.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2518.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	945	945	945	945	945	
5°	949	945	941	943	945	90
15°	913	916	906	905	904	259
25°	849	848	837	840	834	392
35°	756	754	742	717	713	475
45°	644	638	608	575	566	496
55°	505	490	449	422	408	451
65°	353	327	284	253	244	350
75°	196	160	119	95	84	206
85°	38	20	18	17	16	48
90°	0	0	0	0	0	

TEST NUMBER: P1050521

CATALOG NUMBER: 24PTR-30-L935-UNV-STD-W

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	945.3	945.3	945.3	945.3	945.3
2.5°	951.0	947.6	946.4	950.4	940.8
5°	948.7	945.3	940.8	943.1	944.8
7.5°	941.9	939.1	932.9	938.0	932.9
10°	935.2	932.4	927.9	929.6	923.9
12.5°	928.4	921.7	920.5	921.7	917.7
15°	913.2	915.5	905.9	904.8	904.2
17.5°	905.9	900.3	890.1	890.7	889.6
20°	889.0	882.3	874.9	873.8	871.6
22.5°	871.6	863.7	856.9	860.3	855.2
25°	849.0	847.9	836.7	840.0	833.8
27.5°	829.3	825.4	820.3	813.0	804.0
30°	807.9	804.0	798.9	779.8	773.0
32.5°	785.4	780.9	770.8	748.3	740.9
35°	755.6	754.5	742.1	716.7	713.4
37.5°	733.1	720.7	710.5	684.6	675.1
40°	706.0	699.3	675.6	650.9	638.5
42.5°	676.2	668.3	641.3	614.8	601.3
45°	643.5	637.9	607.5	575.4	565.8
47.5°	609.8	604.7	568.7	537.7	525.3
50°	577.1	570.9	527.6	497.7	486.5
52.5°	541.6	531.5	488.7	459.4	448.7
55°	505.0	489.8	448.7	422.3	407.6
57.5°	466.2	452.1	406.5	378.9	367.1
60°	432.4	412.7	366.0	337.8	322.6
62.5°	389.1	372.2	327.7	294.5	287.1
65°	353.0	326.6	283.8	253.4	243.8
67.5°	316.4	285.5	242.1	211.1	206.1
70°	276.4	244.4	199.9	169.5	161.0
72.5°	235.9	204.4	161.0	128.9	123.9
75°	196.5	160.5	119.4	94.6	83.9
77.5°	153.7	121.1	83.9	58.0	51.2
80°	114.3	81.6	48.4	34.3	33.8
82.5°	74.9	47.3	25.9	26.5	25.3
85°	38.3	20.3	17.5	16.9	16.3
87.5°	7.3	7.9	8.4	8.4	8.4
90°	0.0	0.0	0.0	0.0	0.0



— 0°-180° - - 45°-225° 90°-270°

(END OF REPORT)