

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: P1050752

Luminaire Tested: 24PTR-30-PL1-L935-UNV-STD-W

Issue Date: 7/11/2025

Test Information

Test Method: LM-79-2019
Report Number: P1050752
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-L935-UNV-STD-W
Description: 3000 LUMEN 2X4 PERCEIVE PT TROFFER WITH 3500K, 90 CRI LEDS AND LEAVES LENS

Light Source:
Ballast/Driver: -

Summary

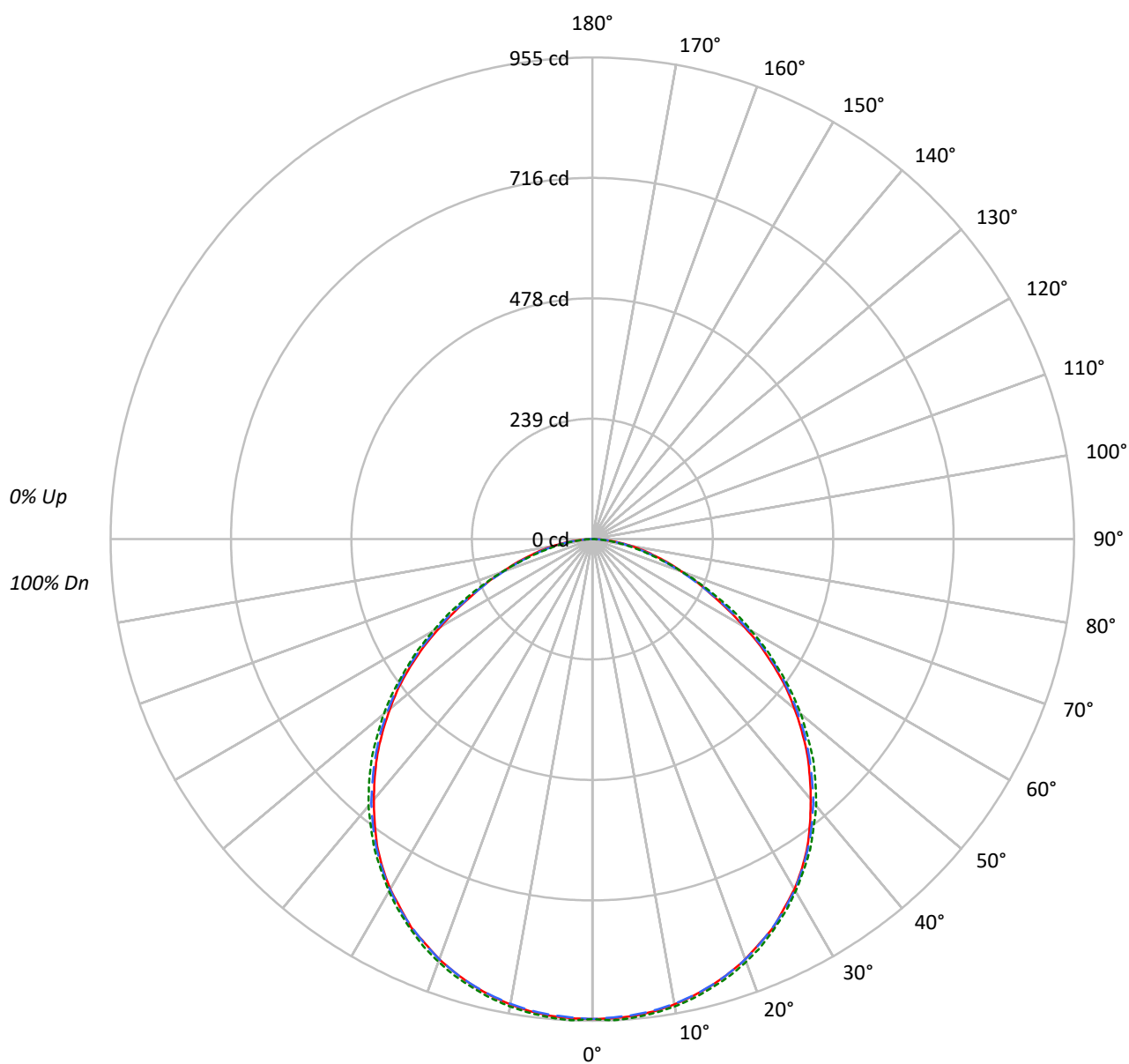
Lumens per Lamp: N/A
Luminaire Lumens: 2508.4 lumens
Efficiency: N/A
Efficacy: 104.5 lumens/watt
Spacing Criteria (0/90/45): 1.25 / 1.26 / 1.35
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

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

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

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1280	1280	1280
5°	1281	1279	1286
10°	1280	1278	1286
15°	1276	1275	1282
20°	1270	1270	1277
25°	1261	1259	1266
30°	1245	1247	1253
35°	1221	1226	1236
40°	1183	1197	1212
45°	1146	1156	1178
50°	1096	1108	1130
55°	1032	1049	1061
60°	936	956	980
65°	832	840	875
70°	744	728	746
75°	671	632	619
80°	610	566	502
85°	516	469	403

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 1178 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	90.3	3.6
10°-20°	258.9	10.3
20°-30°	391.6	15.6
30°-40°	466.8	18.6
40°-50°	469.4	18.7
50°-60°	398.4	15.9
60°-70°	265.2	10.6
70°-80°	132.4	5.3
80°-90°	35.4	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°	740.8	29.5
0°-40°	1207.6	48.1
0°-60°	2075.3	82.7
0°-90°	2508.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2508.4	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	952	952	952	952	952	
5°	949	949	947	951	952	90
15°	916	917	916	920	920	258
25°	849	849	848	852	853	391
35°	744	744	746	752	752	464
45°	602	604	608	616	619	464
55°	440	443	447	451	452	392
65°	261	263	264	268	275	262
75°	129	127	122	119	119	139
85°	33	33	30	29	26	39
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	951.6	951.6	951.6	951.6	951.6
2.5°	950.8	951.6	949.1	953.7	954.8
5°	948.8	949.1	947.0	951.2	952.3
7.5°	944.2	944.6	942.4	947.0	947.6
10°	936.8	937.5	935.7	940.0	941.0
12.5°	927.3	928.3	926.5	931.1	931.9
15°	916.0	917.0	915.6	919.5	920.2
17.5°	902.2	902.9	902.2	905.8	907.8
20°	886.7	886.7	886.7	889.9	891.7
22.5°	867.3	869.1	868.3	872.6	874.4
25°	849.4	849.4	848.2	852.2	852.8
27.5°	824.3	827.1	826.8	830.3	831.1
30°	801.3	802.1	802.5	804.9	806.3
32.5°	773.5	774.2	775.3	778.8	779.2
35°	743.6	744.3	746.4	751.6	752.4
37.5°	708.7	712.6	714.4	720.0	720.6
40°	673.7	676.2	681.6	687.4	690.3
42.5°	638.1	640.9	644.1	652.2	654.8
45°	602.5	603.5	607.5	615.6	619.2
47.5°	563.1	566.3	569.7	576.8	578.9
50°	523.6	527.1	529.2	535.5	539.7
52.5°	483.8	487.0	489.4	493.2	497.5
55°	440.1	443.1	447.1	451.3	452.4
57.5°	395.6	399.1	401.6	406.1	410.7
60°	348.0	351.9	355.4	359.6	364.2
62.5°	303.6	305.3	308.9	315.9	322.6
65°	261.2	263.4	264.0	268.0	274.7
67.5°	226.0	226.0	222.8	224.2	231.6
70°	189.0	187.6	185.1	183.7	189.7
72.5°	159.0	157.2	151.9	149.5	152.7
75°	129.0	127.2	121.6	118.8	119.1
77.5°	103.6	100.8	96.2	91.3	90.3
80°	78.7	77.5	73.0	68.4	64.8
82.5°	55.7	53.3	50.7	47.9	45.1
85°	33.4	32.8	30.4	28.6	26.1
87.5°	13.7	13.7	13.1	12.3	11.7
90°	0.0	0.0	0.0	0.0	0.0



— 0°-180° - - 45°-225° 90°-270°

(END OF REPORT)