

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: P1050676

Luminaire Tested: 24PTR-35-PC3-L935-UNV-STD-W

Issue Date: 7/11/2025

Test Information

Test Method: LM-79-2019
Report Number: P1050676
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P737711)
Test Lab: INNOVATION CENTER
Issue Date: 7/11/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: 24PTR-35-PC3-L935-UNV-STD-W
Description: 3500 LUMEN 2X4 PERCEIVE PT TROFFER WITH 3500K, 90 CRI LEDS AND PARAMID LENS

Light Source:
Ballast/Driver: -

Summary

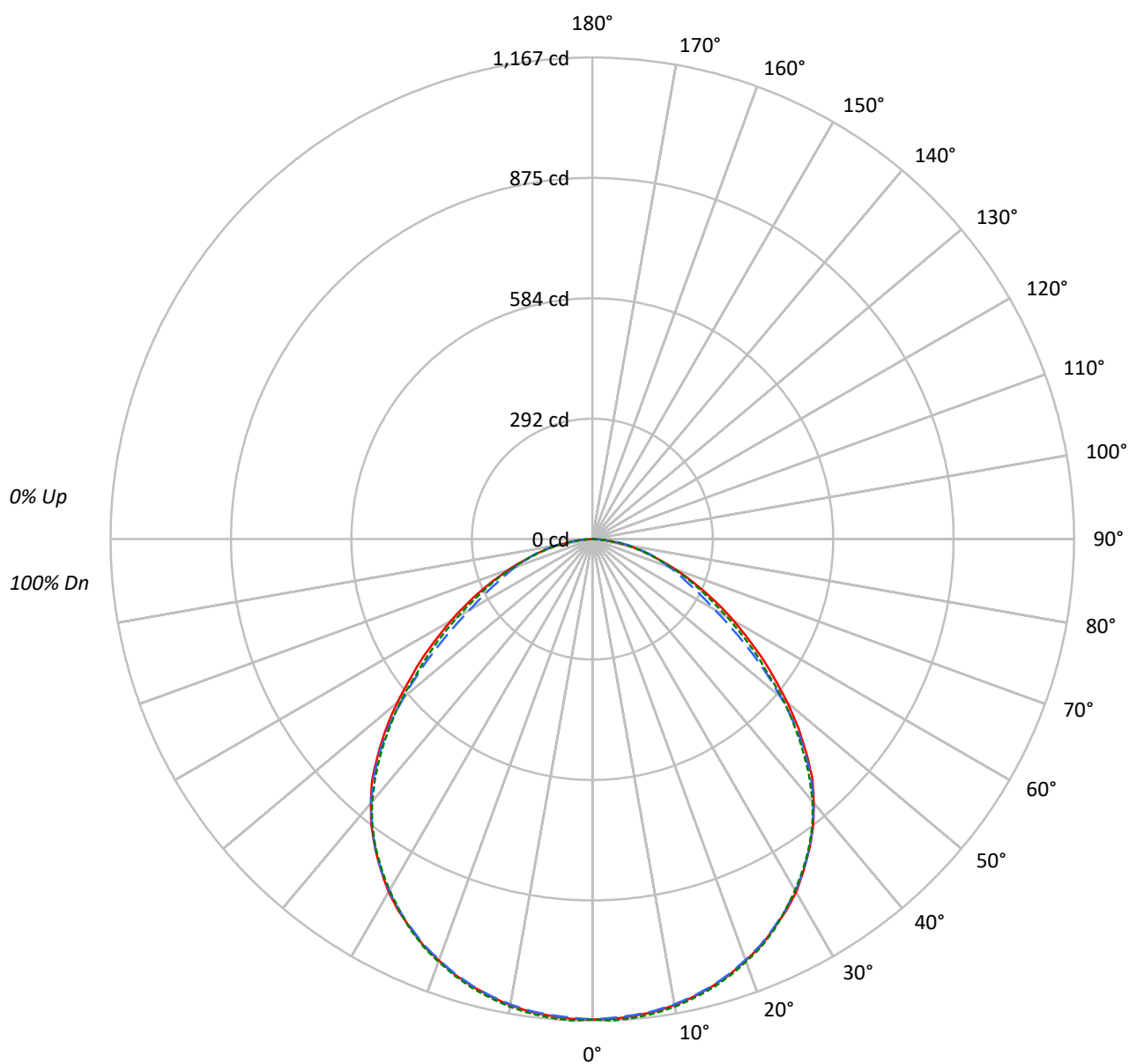
Lumens per Lamp: N/A
Luminaire Lumens: 2934.2 lumens
Efficiency: N/A
Efficacy: 104.8 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.25 / 1.34
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 28
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	87	85		
2	100	93	86	81	98	91	85	80	87	82	78	84	80	76	81	78	75	72		
3	92	82	74	68	90	80	73	68	77	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	46	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	40	33	29	39	33	29	27		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1566	1566	1566
5°	1566	1564	1573
10°	1566	1564	1572
15°	1563	1561	1568
20°	1556	1553	1560
25°	1545	1543	1549
30°	1534	1528	1526
35°	1506	1504	1502
40°	1466	1464	1457
45°	1394	1384	1370
50°	1290	1247	1261
55°	1178	1082	1131
60°	1062	923	1013
65°	949	826	911
70°	842	781	819
75°	744	757	730
80°	642	723	638
85°	482	573	482

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°

Vertical Angle: 45°

Luminance: 1397 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	110.4	3.8
10°-20°	316.9	10.8
20°-30°	479.7	16.3
30°-40°	572.0	19.5
40°-50°	558.8	19.0
50°-60°	427.3	14.6
60°-70°	274.4	9.4
70°-80°	152.6	5.2
80°-90°	42.2	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°	907.0	30.9
0°-40°	1478.9	50.4
0°-60°	2465.1	84.0
0°-90°	2934.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2934.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1164	1164	1164	1164	1164	
5°	1160	1160	1158	1163	1164	110
15°	1122	1123	1121	1124	1126	317
25°	1041	1042	1039	1042	1043	480
35°	917	918	916	915	914	573
45°	733	734	727	726	720	564
55°	502	485	461	467	482	449
65°	298	275	259	268	286	297
75°	143	144	146	144	140	153
85°	31	37	37	36	31	38
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1163.9	1163.9	1163.9	1163.9	1163.9
2.5°	1163.1	1163.6	1160.5	1165.5	1167.2
5°	1159.8	1160.5	1157.7	1163.1	1164.3
7.5°	1154.8	1155.5	1152.7	1158.1	1158.6
10°	1146.5	1146.9	1144.4	1149.8	1150.6
12.5°	1135.3	1136.5	1133.6	1138.6	1138.9
15°	1121.8	1122.7	1120.6	1124.4	1125.6
17.5°	1106.1	1106.5	1104.4	1108.5	1109.0
20°	1086.4	1086.4	1084.8	1089.4	1089.4
22.5°	1066.5	1065.2	1064.8	1066.5	1069.0
25°	1040.7	1042.0	1039.1	1042.4	1043.2
27.5°	1015.8	1015.8	1013.2	1014.9	1012.8
30°	987.1	985.4	983.7	984.0	982.1
32.5°	952.4	952.4	951.7	951.7	949.1
35°	916.7	917.5	915.8	915.4	914.2
37.5°	878.3	879.7	876.6	875.9	875.0
40°	834.6	834.6	833.4	831.7	829.6
42.5°	789.2	789.2	783.9	779.7	776.8
45°	732.7	734.3	727.2	725.5	719.8
47.5°	676.4	675.2	665.6	664.4	661.1
50°	616.5	609.4	595.8	599.4	602.4
52.5°	556.6	547.8	527.9	531.9	536.9
55°	502.0	484.6	461.3	467.1	482.0
57.5°	445.0	421.7	398.4	409.3	427.9
60°	394.6	368.4	343.0	354.7	376.3
62.5°	346.4	318.5	298.1	309.3	327.6
65°	298.1	275.1	259.4	268.0	286.0
67.5°	253.9	238.5	227.8	231.9	246.4
70°	214.0	204.3	198.6	199.8	208.1
72.5°	176.1	173.6	171.5	171.5	172.3
75°	143.2	144.4	145.7	143.7	140.4
77.5°	112.8	116.9	119.9	115.7	111.6
80°	82.9	89.5	93.3	88.6	82.4
82.5°	56.6	64.1	65.3	62.5	55.4
85°	31.2	36.6	37.1	35.8	31.2
87.5°	11.6	13.8	15.0	13.8	12.1
90°	0.0	0.0	0.0	0.0	0.0



— 0°-180° - - 45°-225° 90°-270°

(END OF REPORT)