

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: P1050683

Luminaire Tested: 24PTR-100-PC3-L935-UNV-STD-W

Issue Date: 7/11/2025

Test Information

Test Method: LM-79-2019
Report Number: P1050683
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-100-PC3-L935-UNV-STD-W
Description: 10000 LUMEN 2X4 PERCEIVE PT TROFFER WITH 3500K, 90 CRI LEDS AND PARAMID LENS

Light Source:
Ballast/Driver: -

Summary

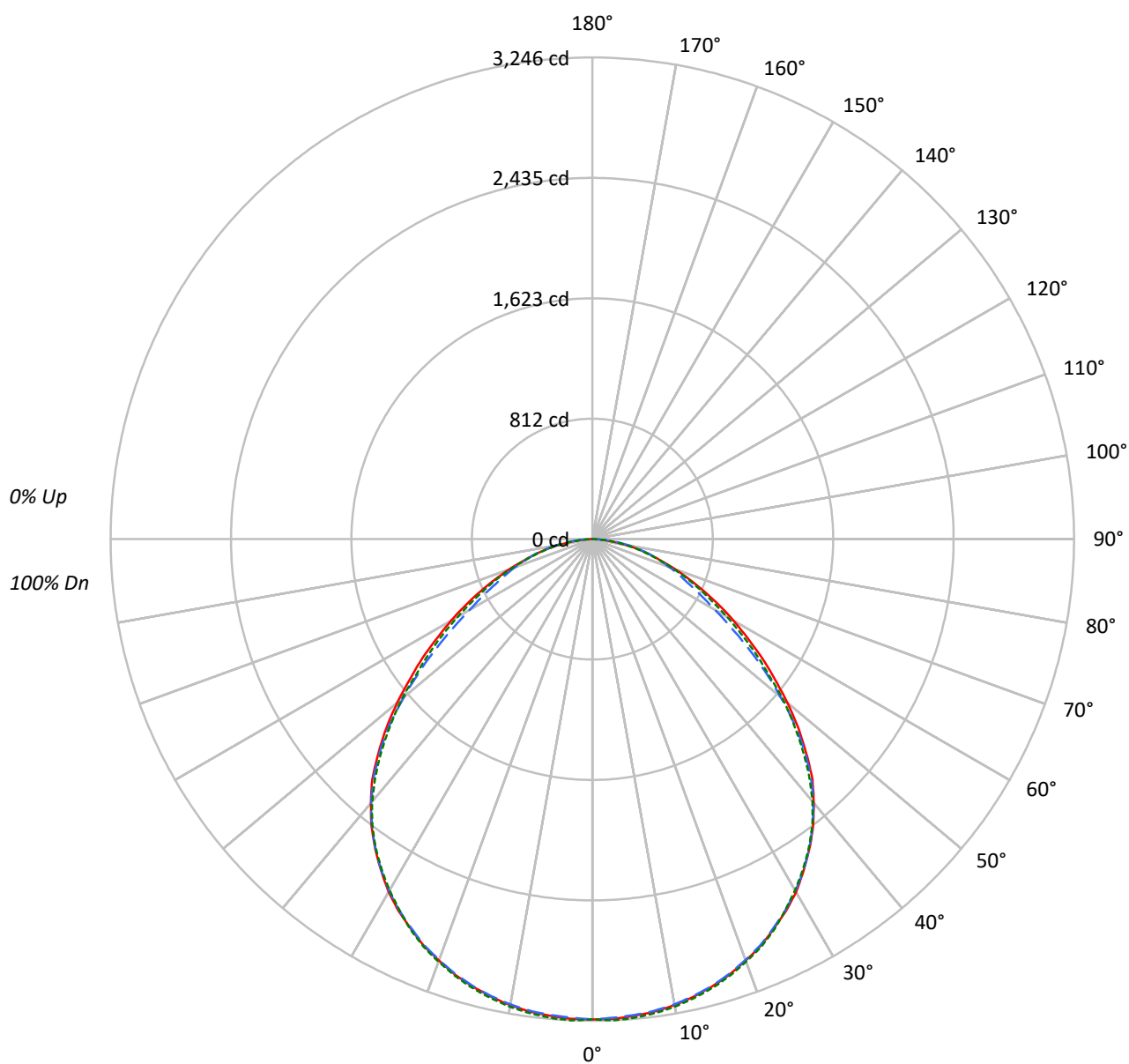
Lumens per Lamp: N/A
Luminaire Lumens: 8161.6 lumens
Efficiency: N/A
Efficacy: 96.0 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.25 / 1.34
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 85
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°	4356	4356	4356
5°	4357	4349	4374
10°	4357	4349	4372
15°	4346	4342	4361
20°	4327	4320	4339
25°	4298	4291	4308
30°	4266	4251	4244
35°	4188	4184	4176
40°	4077	4071	4053
45°	3878	3849	3810
50°	3589	3469	3507
55°	3275	3010	3145
60°	2954	2567	2817
65°	2640	2297	2533
70°	2342	2173	2277
75°	2071	2106	2030
80°	1786	2011	1777
85°	1338	1592	1338

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°

Vertical Angle: 45°

Luminance: 3886 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	307.0	3.8
10°-20°	881.3	10.8
20°-30°	1334.4	16.3
30°-40°	1590.9	19.5
40°-50°	1554.4	19.0
50°-60°	1188.6	14.6
60°-70°	763.1	9.4
70°-80°	424.6	5.2
80°-90°	117.3	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°	2522.7	30.9
0°-40°	4113.6	50.4
0°-60°	6856.6	84.0
0°-90°	8161.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	8161.6	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3237	3237	3237	3237	3237	
5°	3226	3228	3220	3235	3238	307
15°	3120	3123	3117	3128	3131	881
25°	2895	2898	2890	2900	2902	1335
35°	2550	2552	2547	2546	2543	1593
45°	2038	2042	2023	2018	2002	1568
55°	1396	1348	1283	1299	1341	1248
65°	829	765	722	746	796	827
75°	398	402	405	400	390	426
85°	87	102	103	100	87	107
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3237.3	3237.3	3237.3	3237.3	3237.3
2.5°	3235.2	3236.4	3228.0	3241.9	3246.5
5°	3225.9	3228.0	3220.0	3235.2	3238.5
7.5°	3212.0	3214.1	3206.1	3221.3	3222.5
10°	3188.9	3190.2	3183.0	3198.1	3200.3
12.5°	3157.8	3161.1	3153.1	3167.0	3167.9
15°	3120.3	3122.8	3117.0	3127.5	3130.8
17.5°	3076.6	3077.8	3071.9	3083.3	3084.6
20°	3021.9	3021.9	3017.2	3030.3	3030.3
22.5°	2966.3	2963.0	2961.7	2966.3	2973.5
25°	2894.8	2898.2	2890.2	2899.5	2901.6
27.5°	2825.4	2825.4	2818.3	2822.9	2817.0
30°	2745.5	2740.8	2736.2	2737.1	2731.6
32.5°	2649.1	2649.1	2647.0	2647.0	2639.9
35°	2549.9	2552.0	2547.3	2546.1	2542.7
37.5°	2443.0	2446.8	2438.4	2436.3	2433.7
40°	2321.4	2321.4	2318.0	2313.4	2307.5
42.5°	2195.2	2195.2	2180.5	2168.7	2160.7
45°	2037.9	2042.5	2022.7	2018.1	2002.1
47.5°	1881.4	1878.0	1851.5	1848.1	1838.9
50°	1714.8	1695.0	1657.1	1667.2	1675.6
52.5°	1548.2	1523.8	1468.2	1479.6	1493.5
55°	1396.3	1347.9	1283.1	1299.1	1340.8
57.5°	1237.7	1172.9	1108.1	1138.4	1190.2
60°	1097.6	1024.8	954.1	986.5	1046.7
62.5°	963.4	886.0	829.2	860.3	911.2
65°	829.2	765.3	721.5	745.5	795.5
67.5°	706.4	663.4	633.6	644.9	685.3
70°	595.3	568.4	552.4	555.7	578.9
72.5°	489.7	483.0	477.1	477.1	479.2
75°	398.4	401.8	405.1	399.7	390.4
77.5°	313.8	325.2	333.6	321.8	310.5
80°	230.5	249.1	259.6	246.5	229.3
82.5°	157.3	178.4	181.7	173.7	154.0
85°	86.7	101.8	103.1	99.7	86.7
87.5°	32.4	38.3	41.6	38.3	33.7
90°	0.0	0.0	0.0	0.0	0.0



— 0°-180° - - 45°-225° 90°-270°

(END OF REPORT)