

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: P1050914

Luminaire Tested: 24PTR-100-PP3-L935-UNV-STD-W

Issue Date: 7/11/2025

Test Information

Test Method: LM-79-2019
Report Number: P1050914
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P737727)
Test Lab: INNOVATION CENTER
Issue Date: 7/11/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: 24PTR-100-PP3-L935-UNV-STD-W
Description: 10000 LUMEN 2X4 PERCEIVE PT TROFFER WITH 3500K, 90 CRI LEDS AND PRISM LENS

Light Source:
Ballast/Driver: -

Summary

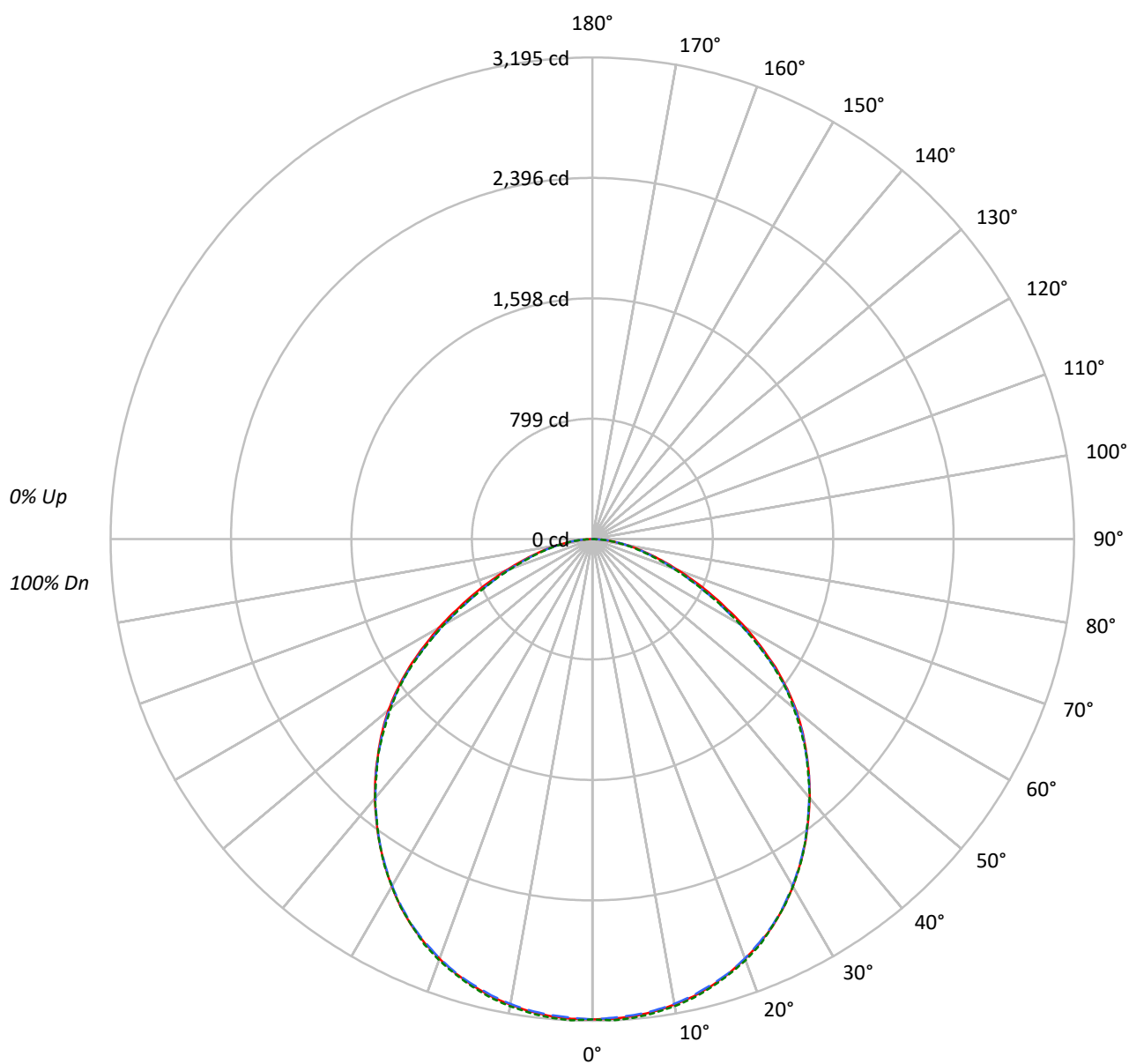
Lumens per Lamp: N/A
Luminaire Lumens: 8230.5 lumens
Efficiency: N/A
Efficacy: 96.8 lumens/watt
Spacing Criteria (0/90/45): 1.24 / 1.24 / 1.34
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

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

TEST NUMBER: P1050914

CATALOG NUMBER: 24PTR-100-PP3-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	100		
1	109	105	101	97	107	103	99	96	99	96	93	95	92	90	91	89	87	85		
2	100	92	86	80	97	90	84	79	87	82	78	84	79	76	81	77	74	72		
3	92	81	74	67	89	80	73	67	77	71	66	74	69	65	72	67	63	61		
4	84	73	64	58	82	71	63	57	69	62	56	66	60	56	64	59	55	53		
5	77	65	56	50	75	64	56	50	62	55	49	60	54	49	58	52	48	46		
6	72	59	50	44	70	58	50	44	56	49	43	54	48	43	53	47	42	40		
7	66	53	45	39	65	52	44	39	51	44	38	50	43	38	48	42	38	36		
8	62	49	40	35	60	48	40	35	47	39	34	45	39	34	44	38	34	32		
9	58	45	37	31	57	44	36	31	43	36	31	42	35	31	41	35	31	29		
10	54	41	34	28	53	41	33	28	40	33	28	39	33	28	38	32	28	26		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	4286	4286	4286
5°	4290	4280	4304
10°	4284	4277	4298
15°	4270	4262	4281
20°	4242	4238	4256
25°	4204	4197	4202
30°	4133	4125	4133
35°	4043	4038	4041
40°	3940	3927	3938
45°	3821	3810	3815
50°	3694	3676	3650
55°	3477	3437	3426
60°	3155	3049	3055
65°	2771	2632	2628
70°	2397	2288	2261
75°	2073	1996	1953
80°	1836	1810	1729
85°	1518	1570	1479

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°

Vertical Angle: 45°

Luminance: 3835 cd/sqm

TEST NUMBER: P1050914

CATALOG NUMBER: 24PTR-100-PP3-L935-UNV-STD-W

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	302.1	3.7
10°-20°	865.4	10.5
20°-30°	1302.9	15.8
30°-40°	1537.8	18.7
40°-50°	1546.6	18.8
50°-60°	1305.7	15.9
60°-70°	838.5	10.2
70°-80°	417.1	5.1
80°-90°	114.3	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°	2470.5	30.0
0°-40°	4008.3	48.7
0°-60°	6860.6	83.4
0°-90°	8230.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	8230.5	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3186	3186	3186	3186	3186	
5°	3176	3177	3169	3184	3186	302
15°	3065	3066	3059	3073	3073	865
25°	2832	2832	2827	2832	2830	1303
35°	2462	2463	2458	2460	2460	1538
45°	2008	2015	2002	2005	2005	1550
55°	1482	1481	1465	1459	1460	1319
65°	870	858	827	818	826	868
75°	399	397	384	380	376	431
85°	98	102	102	96	96	116
90°	0	0	0	0	0	

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CATALOG NUMBER: 24PTR-100-PP3-L935-UNV-STD-W

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3185.5	3185.5	3185.5	3185.5	3185.5
2.5°	3184.2	3185.5	3177.1	3192.2	3194.7
5°	3176.2	3177.1	3169.1	3184.2	3186.3
7.5°	3159.8	3161.1	3154.0	3167.8	3170.3
10°	3135.5	3139.2	3130.8	3143.9	3146.0
12.5°	3105.6	3106.9	3098.5	3113.6	3116.1
15°	3065.3	3066.1	3059.4	3073.3	3073.3
17.5°	3018.7	3019.9	3015.3	3027.1	3025.8
20°	2962.4	2965.7	2959.8	2967.8	2972.5
22.5°	2901.0	2902.3	2895.1	2905.7	2910.3
25°	2831.7	2832.5	2827.1	2832.5	2830.4
27.5°	2750.6	2752.7	2744.7	2750.6	2751.9
30°	2660.3	2666.2	2654.8	2659.5	2660.3
32.5°	2563.2	2566.6	2558.6	2559.9	2565.8
35°	2461.6	2462.8	2458.2	2460.3	2460.3
37.5°	2351.9	2356.5	2349.4	2352.8	2348.1
40°	2243.1	2238.5	2236.0	2238.5	2241.8
42.5°	2128.4	2129.7	2126.3	2123.8	2118.3
45°	2008.2	2015.4	2002.4	2004.9	2004.9
47.5°	1890.6	1891.4	1884.7	1877.6	1873.0
50°	1764.6	1764.6	1756.2	1750.7	1743.6
52.5°	1626.8	1624.7	1615.4	1609.5	1612.9
55°	1482.2	1481.0	1465.0	1459.1	1460.4
57.5°	1323.8	1326.4	1302.0	1296.1	1296.1
60°	1172.6	1160.8	1133.1	1125.1	1135.2
62.5°	1013.8	999.9	970.1	970.1	978.1
65°	870.5	857.9	826.8	818.4	825.6
67.5°	736.5	724.7	696.2	691.5	693.6
70°	609.2	599.1	581.5	571.0	574.7
72.5°	499.5	490.3	478.5	470.6	465.9
75°	398.7	396.6	384.0	380.2	375.6
77.5°	315.5	314.7	304.2	299.6	294.9
80°	237.0	235.7	233.6	226.5	223.1
82.5°	168.9	168.9	167.6	161.8	158.4
85°	98.3	101.7	101.7	95.8	95.8
87.5°	39.5	41.6	39.5	39.5	38.2
90°	0.0	0.0	0.0	0.0	0.0



— 0°-180° - - 45°-225° 90°-270°

(END OF REPORT)