

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: P1050605

Luminaire Tested: 24PTR-80-PB1-L935-UNV-STD-W

Issue Date: 7/11/2025

Test Information

Test Method: LM-79-2019
Report Number: P1050605
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P737703)
Test Lab: INNOVATION CENTER
Issue Date: 7/11/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: 24PTR-80-PB1-L935-UNV-STD-W
Description: 8000 LUMEN 2X4 PERCEIVE PT TROFFER WITH 3500K, 90 CRI LEDS AND FROSTED LENS

Light Source:
Ballast/Driver: -

Summary

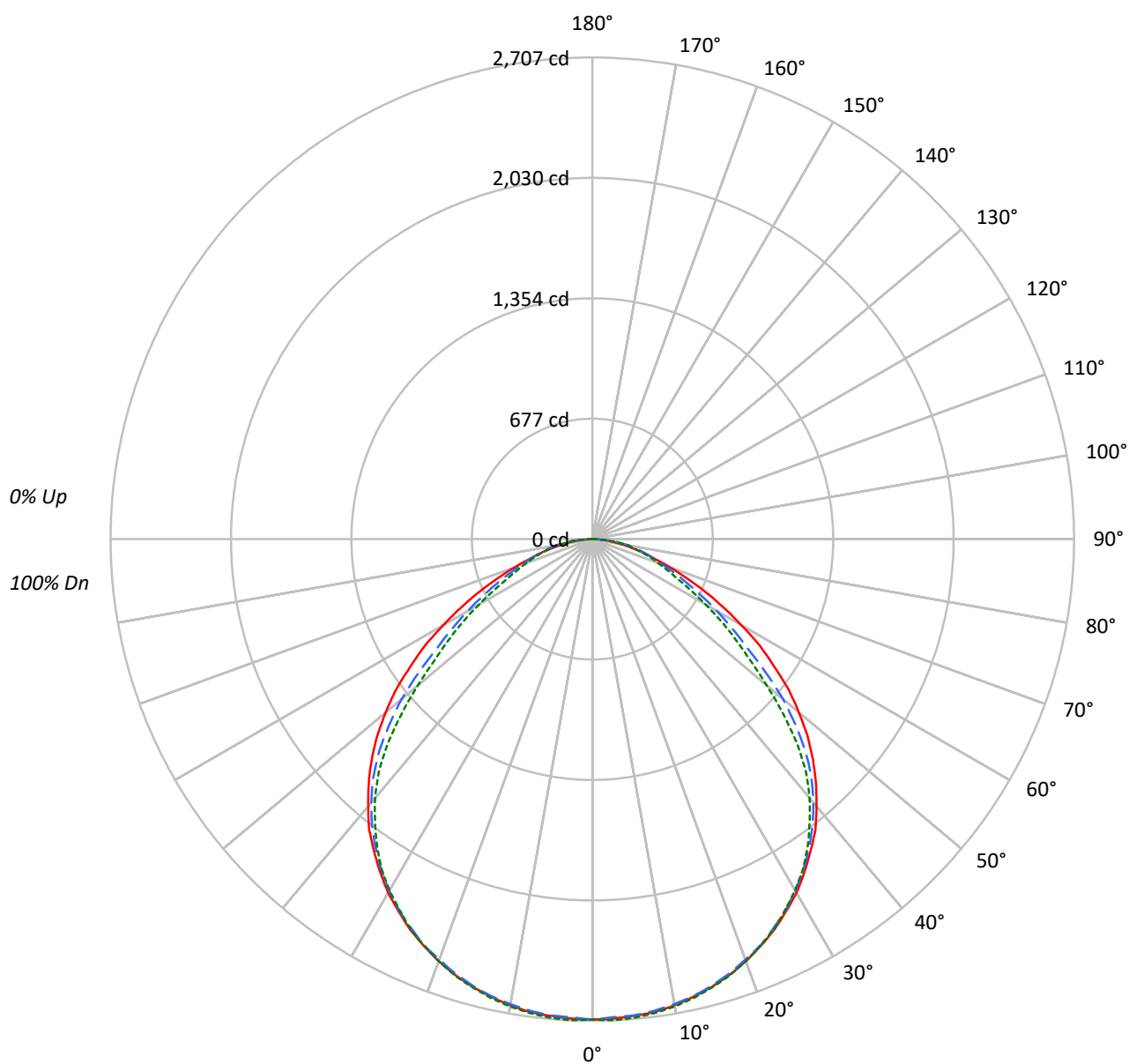
Lumens per Lamp: N/A
Luminaire Lumens: 6732.7 lumens
Efficiency: N/A
Efficacy: 99.0 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.25 / 1.34
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 68
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: P1050605

CATALOG NUMBER: 24PTR-80-PB1-L935-UNV-STD-W

Luminous Intensity Polar Plot



TEST NUMBER: P1050605

CATALOG NUMBER: 24PTR-80-PB1-L935-UNV-STD-W

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	93	90	91	89	88	86		
2	100	93	86	81	98	91	85	80	87	83	78	84	80	77	81	78	75	73		
3	92	82	75	69	90	81	74	68	78	72	67	75	70	66	73	68	64	62		
4	85	73	65	59	83	72	64	58	70	63	58	67	62	57	65	60	56	54		
5	78	66	57	51	76	65	57	51	63	56	50	61	55	50	59	54	49	47		
6	72	60	51	45	71	59	51	45	57	50	44	55	49	44	54	48	44	42		
7	67	54	46	40	66	53	45	40	52	45	39	51	44	39	49	43	39	37		
8	63	50	41	36	61	49	41	36	48	41	35	46	40	35	45	39	35	33		
9	59	46	38	32	57	45	37	32	44	37	32	43	36	32	42	36	32	30		
10	55	42	34	29	54	42	34	29	41	34	29	40	33	29	39	33	29	27		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	3633	3633	3633
5°	3633	3629	3647
10°	3635	3626	3644
15°	3627	3618	3631
20°	3614	3600	3614
25°	3594	3579	3589
30°	3565	3545	3539
35°	3513	3486	3464
40°	3442	3395	3336
45°	3336	3229	3096
50°	3170	2927	2676
55°	2921	2486	2306
60°	2601	2172	1975
65°	2231	1883	1682
70°	1842	1660	1542
75°	1553	1588	1502
80°	1313	1621	1545
85°	1028	1641	1437

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 3336 cd/sqm

TEST NUMBER: P1050605

CATALOG NUMBER: 24PTR-80-PB1-L935-UNV-STD-W

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	256.0	3.8
10°-20°	734.6	10.9
20°-30°	1112.8	16.5
30°-40°	1326.0	19.7
40°-50°	1296.6	19.3
50°-60°	980.8	14.6
60°-70°	602.6	8.9
70°-80°	321.0	4.8
80°-90°	102.4	1.5
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°	2103.4	31.2
0°-40°	3429.4	50.9
0°-60°	5706.8	84.8
0°-90°	6732.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6732.7	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2700	2700	2700	2700	2700	
5°	2690	2694	2687	2697	2700	256
15°	2604	2607	2597	2607	2607	735
25°	2421	2418	2411	2414	2418	1115
35°	2139	2136	2122	2112	2109	1338
45°	1753	1744	1697	1640	1627	1349
55°	1245	1182	1060	1000	983	1115
65°	701	644	591	545	528	697
75°	299	302	305	296	289	320
85°	67	86	106	100	93	80
90°	0	0	0	0	0	

TEST NUMBER: P1050605

CATALOG NUMBER: 24PTR-80-PB1-L935-UNV-STD-W

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2700.1	2700.1	2700.1	2700.1	2700.1
2.5°	2696.9	2700.1	2690.0	2703.6	2706.7
5°	2690.0	2693.5	2686.8	2696.9	2700.1
7.5°	2680.2	2680.2	2673.6	2683.3	2686.8
10°	2660.3	2660.3	2653.7	2663.5	2667.0
12.5°	2633.8	2633.8	2630.3	2637.0	2640.5
15°	2603.8	2607.0	2597.2	2607.0	2607.0
17.5°	2567.2	2564.1	2560.6	2567.2	2570.7
20°	2524.0	2524.0	2514.2	2520.9	2524.0
22.5°	2474.1	2474.1	2471.0	2474.1	2471.0
25°	2421.1	2417.7	2411.0	2414.5	2417.7
27.5°	2358.0	2358.0	2351.4	2351.4	2347.9
30°	2294.9	2291.4	2281.7	2275.1	2278.2
32.5°	2218.6	2215.1	2205.3	2198.7	2201.8
35°	2138.7	2135.6	2122.3	2112.2	2109.1
37.5°	2059.2	2049.1	2032.4	2019.1	2005.9
40°	1959.5	1949.4	1933.0	1903.0	1899.5
42.5°	1859.8	1850.0	1823.2	1786.9	1776.8
45°	1753.4	1743.7	1697.0	1640.5	1627.2
47.5°	1640.5	1624.1	1550.9	1481.1	1454.6
50°	1514.6	1484.6	1398.2	1308.5	1278.6
52.5°	1391.5	1338.5	1225.6	1145.7	1116.1
55°	1245.4	1182.3	1059.6	999.6	982.9
57.5°	1116.1	1029.6	929.9	870.3	857.0
60°	966.5	886.7	807.2	753.8	733.9
62.5°	830.2	760.4	694.2	647.5	624.5
65°	700.8	644.3	591.3	544.6	528.2
67.5°	574.6	544.6	501.4	465.1	455.0
70°	468.3	451.5	421.9	405.2	391.9
72.5°	372.0	378.7	358.8	352.2	342.0
75°	298.8	302.3	305.4	295.7	289.0
77.5°	225.9	242.3	255.6	248.9	242.3
80°	169.5	185.8	209.2	199.4	199.4
82.5°	116.1	136.3	156.2	149.6	146.1
85°	66.6	86.5	106.3	99.7	93.1
87.5°	26.5	43.2	46.4	46.4	43.2
90°	0.0	0.0	0.0	0.0	0.0



— 0°-180° - - 45°-225° 90°-270°

(END OF REPORT)