

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: P1050555

Luminaire Tested: 24PTR-35-PB1-L835-UNV-STD-W

Issue Date: 7/11/2025

Test Information

Test Method: LM-79-2019
Report Number: P1050555
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-35-PB1-L835-UNV-STD-W
Description: 3500 LUMEN 2X4 PERCEIVE PT TROFFER WITH 3500K, 80 CRI LEDS AND FROSTED LENS

Light Source:
Ballast/Driver: -

Summary

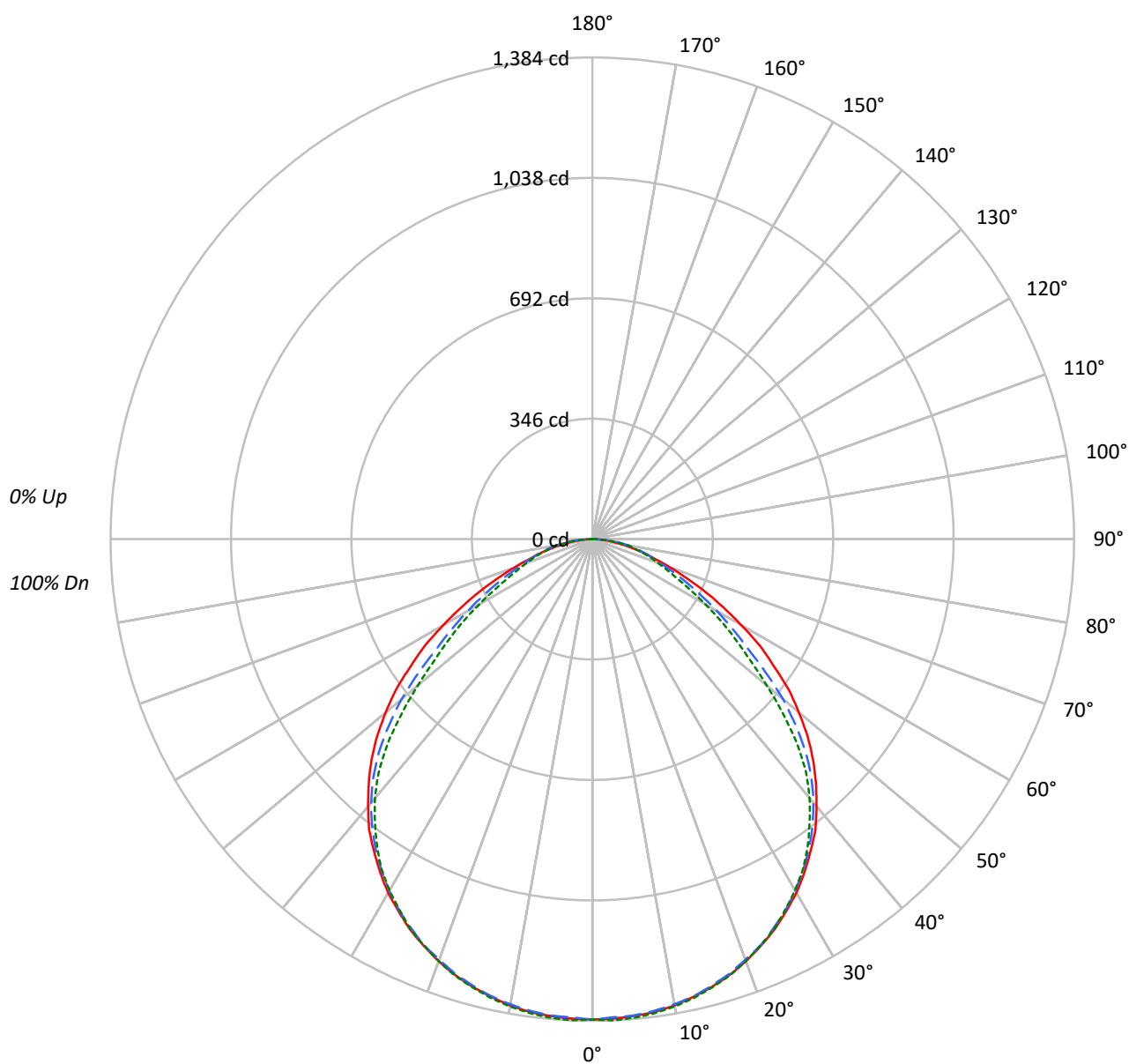
Lumens per Lamp: N/A
Luminaire Lumens: 3442.6 lumens
Efficiency: N/A
Efficacy: 122.9 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.25 / 1.34
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

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

TEST NUMBER: P1050555

CATALOG NUMBER: 24PTR-35-PB1-L835-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	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°	1858	1858	1858
5°	1858	1855	1865
10°	1859	1854	1863
15°	1855	1850	1857
20°	1848	1841	1848
25°	1838	1830	1835
30°	1823	1812	1810
35°	1796	1782	1771
40°	1760	1736	1706
45°	1706	1651	1583
50°	1621	1496	1368
55°	1494	1271	1179
60°	1330	1111	1010
65°	1141	963	860
70°	942	849	788
75°	794	812	768
80°	671	829	790
85°	526	840	735

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 1706 cd/sqm

TEST NUMBER: P1050555

CATALOG NUMBER: 24PTR-35-PB1-L835-UNV-STD-W

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	130.9	3.8
10°-20°	375.6	10.9
20°-30°	569.0	16.5
30°-40°	678.0	19.7
40°-50°	663.0	19.3
50°-60°	501.5	14.6
60°-70°	308.1	8.9
70°-80°	164.1	4.8
80°-90°	52.4	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°	1075.5	31.2
0°-40°	1753.5	50.9
0°-60°	2917.9	84.8
0°-90°	3442.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3442.6	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1381	1381	1381	1381	1381	
5°	1375	1377	1374	1379	1381	131
15°	1331	1333	1328	1333	1333	376
25°	1238	1236	1233	1235	1236	570
35°	1094	1092	1085	1080	1078	684
45°	897	892	868	839	832	690
55°	637	604	542	511	503	570
65°	358	330	302	278	270	357
75°	153	155	156	151	148	164
85°	34	44	54	51	48	41
90°	0	0	0	0	0	

TEST NUMBER: P1050555

CATALOG NUMBER: 24PTR-35-PB1-L835-UNV-STD-W

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1380.6	1380.6	1380.6	1380.6	1380.6
2.5°	1379.0	1380.6	1375.4	1382.4	1384.0
5°	1375.4	1377.2	1373.8	1379.0	1380.6
7.5°	1370.4	1370.4	1367.0	1372.0	1373.8
10°	1360.3	1360.3	1356.9	1361.9	1363.6
12.5°	1346.7	1346.7	1344.9	1348.3	1350.1
15°	1331.4	1333.0	1328.0	1333.0	1333.0
17.5°	1312.7	1311.0	1309.3	1312.7	1314.4
20°	1290.5	1290.5	1285.6	1288.9	1290.5
22.5°	1265.1	1265.1	1263.4	1265.1	1263.4
25°	1238.0	1236.2	1232.8	1234.6	1236.2
27.5°	1205.7	1205.7	1202.3	1202.3	1200.5
30°	1173.4	1171.6	1166.6	1163.3	1164.9
32.5°	1134.4	1132.6	1127.6	1124.2	1125.8
35°	1093.5	1091.9	1085.2	1080.0	1078.4
37.5°	1052.9	1047.7	1039.2	1032.4	1025.6
40°	1001.9	996.7	988.4	973.0	971.3
42.5°	950.9	945.9	932.2	913.7	908.5
45°	896.6	891.6	867.7	838.8	832.0
47.5°	838.8	830.4	793.0	757.3	743.8
50°	774.4	759.1	714.9	669.1	653.7
52.5°	711.5	684.4	626.6	585.8	570.7
55°	636.8	604.5	541.8	511.1	502.6
57.5°	570.7	526.5	475.5	445.0	438.2
60°	494.2	453.4	412.7	385.4	375.3
62.5°	424.5	388.8	354.9	331.1	319.3
65°	358.3	329.5	302.4	278.5	270.1
67.5°	293.8	278.5	256.4	237.8	232.7
70°	239.4	230.9	215.7	207.2	200.4
72.5°	190.2	193.6	183.4	180.1	174.9
75°	152.8	154.6	156.2	151.2	147.8
77.5°	115.5	123.9	130.7	127.3	123.9
80°	86.6	95.0	107.0	102.0	102.0
82.5°	59.4	69.7	79.9	76.5	74.7
85°	34.1	44.2	54.4	51.0	47.6
87.5°	13.5	22.1	23.7	23.7	22.1
90°	0.0	0.0	0.0	0.0	0.0



— 0°-180° - - 45°-225° 90°-270°

(END OF REPORT)