

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: P1050709

Luminaire Tested: 24PTR-35-PL1-L835-UNV-STD-W

Issue Date: 7/11/2025

Test Information

Test Method: LM-79-2019
Report Number: P1050709
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P737719)
Test Lab: INNOVATION CENTER
Issue Date: 7/11/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: 24PTR-35-PL1-L835-UNV-STD-W
Description: 3500 LUMEN 2X4 PERCEIVE PT TROFFER WITH 3500K, 80 CRI LEDS AND LEAVES LENS

Light Source:
Ballast/Driver: -

Summary

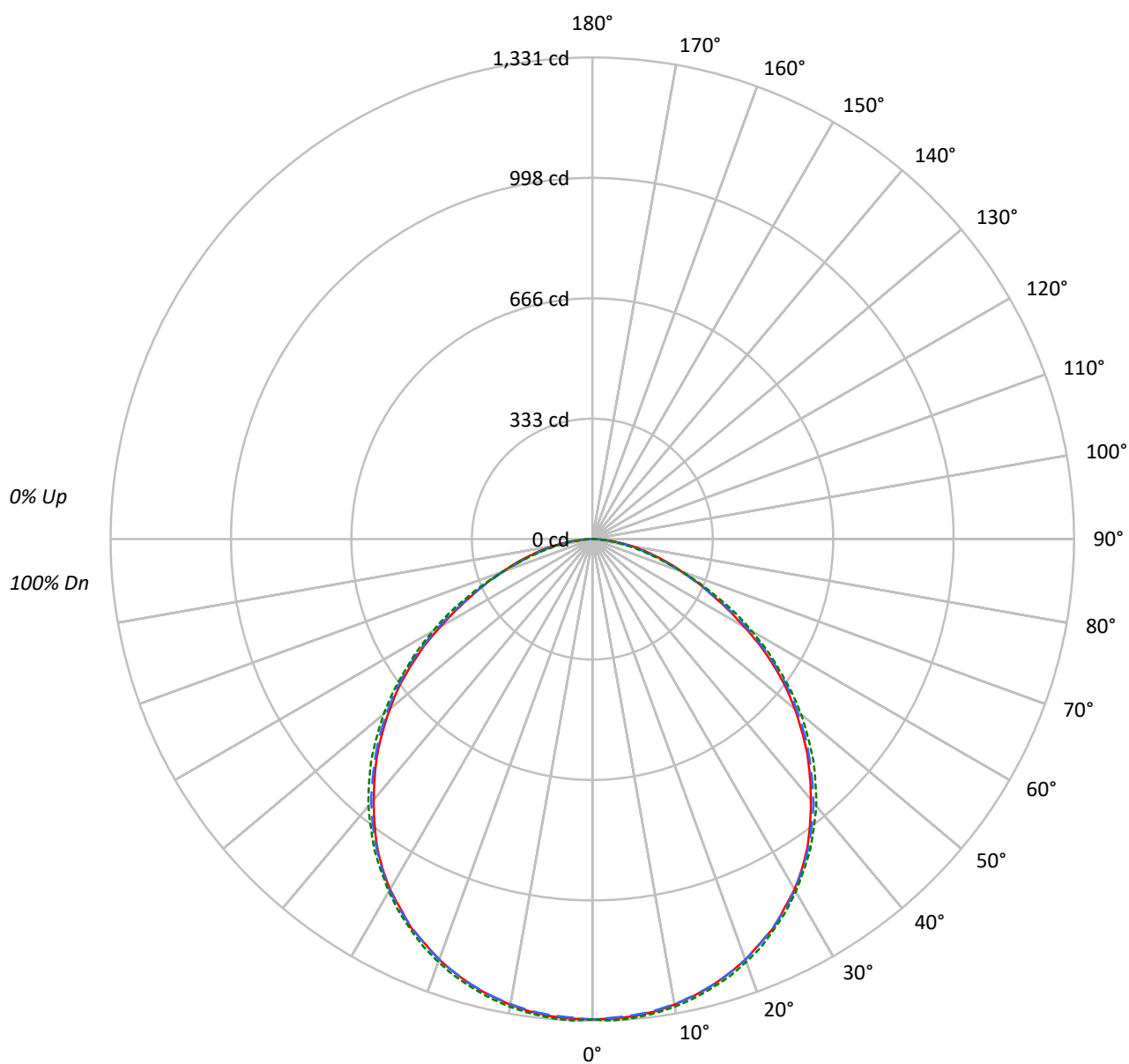
Lumens per Lamp: N/A
Luminaire Lumens: 3497.8 lumens
Efficiency: N/A
Efficacy: 124.9 lumens/watt
Spacing Criteria (0/90/45): 1.25 / 1.26 / 1.35
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

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: P1050709

CATALOG NUMBER: 24PTR-35-PL1-L835-UNV-STD-W

Luminous Intensity Polar Plot



TEST NUMBER: P1050709

CATALOG NUMBER: 24PTR-35-PL1-L835-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	102	102	100
1	109	105	101	97	107	103	99	96	98	95	93	94	92	90	91	89	87	87	87	85
2	100	92	86	80	97	90	84	79	87	82	77	83	79	75	80	77	74	74	74	72
3	91	81	73	67	89	80	72	66	77	70	65	74	69	64	71	67	63	63	63	61
4	84	72	64	57	82	71	63	57	68	61	56	66	60	55	64	59	55	55	55	52
5	77	65	56	49	75	64	55	49	61	54	49	60	53	48	58	52	48	48	48	46
6	71	58	50	43	69	57	49	43	56	48	43	54	47	42	52	47	42	42	42	40
7	66	53	44	38	65	52	44	38	51	43	38	49	43	38	48	42	37	37	37	35
8	62	48	40	34	60	48	40	34	46	39	34	45	39	34	44	38	34	34	34	32
9	58	44	36	31	56	44	36	31	43	36	31	42	35	30	41	35	30	30	30	29
10	54	41	33	28	53	41	33	28	40	33	28	39	32	28	38	32	28	28	28	26

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1785	1785	1785
5°	1787	1784	1794
10°	1785	1783	1793
15°	1779	1779	1787
20°	1770	1770	1780
25°	1758	1756	1765
30°	1736	1739	1747
35°	1703	1710	1723
40°	1650	1669	1691
45°	1599	1612	1643
50°	1528	1545	1575
55°	1439	1463	1480
60°	1306	1334	1367
65°	1160	1172	1219
70°	1037	1015	1041
75°	935	881	863
80°	850	789	700
85°	719	653	562

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 1643 cd/sqm

TEST NUMBER: P1050709

CATALOG NUMBER: 24PTR-35-PL1-L835-UNV-STD-W

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	125.9	3.6
10°-20°	361.0	10.3
20°-30°	546.1	15.6
30°-40°	650.9	18.6
40°-50°	654.5	18.7
50°-60°	555.5	15.9
60°-70°	369.9	10.6
70°-80°	184.7	5.3
80°-90°	49.4	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°	1033.0	29.5
0°-40°	1683.9	48.1
0°-60°	2893.9	82.7
0°-90°	3497.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3497.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1327	1327	1327	1327	1327	
5°	1323	1323	1320	1326	1328	126
15°	1277	1279	1277	1282	1283	360
25°	1184	1184	1183	1188	1189	545
35°	1037	1038	1041	1048	1049	647
45°	840	842	847	858	863	646
55°	614	618	624	629	631	547
65°	364	367	368	374	383	365
75°	180	177	170	166	166	193
85°	47	46	42	40	36	54
90°	0	0	0	0	0	

TEST NUMBER: P1050709

CATALOG NUMBER: 24PTR-35-PL1-L835-UNV-STD-W

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1327.0	1327.0	1327.0	1327.0	1327.0
2.5°	1325.9	1327.0	1323.4	1329.8	1331.4
5°	1323.0	1323.4	1320.5	1326.4	1327.9
7.5°	1316.6	1317.1	1314.1	1320.5	1321.4
10°	1306.2	1307.3	1304.8	1310.7	1312.1
12.5°	1293.0	1294.5	1292.0	1298.4	1299.5
15°	1277.3	1278.7	1276.8	1282.1	1283.2
17.5°	1258.0	1259.1	1258.0	1263.0	1265.9
20°	1236.4	1236.4	1236.4	1240.9	1243.4
22.5°	1209.4	1211.9	1210.8	1216.7	1219.2
25°	1184.4	1184.4	1182.8	1188.3	1189.2
27.5°	1149.4	1153.3	1153.0	1157.8	1158.9
30°	1117.4	1118.5	1119.0	1122.4	1124.4
32.5°	1078.7	1079.5	1081.2	1086.0	1086.5
35°	1036.8	1037.9	1040.8	1048.1	1049.2
37.5°	988.3	993.6	996.1	1004.0	1004.9
40°	939.5	942.9	950.4	958.6	962.5
42.5°	889.8	893.8	898.2	909.5	913.0
45°	840.2	841.6	847.1	858.4	863.4
47.5°	785.1	789.6	794.4	804.3	807.3
50°	730.1	734.9	738.0	746.7	752.6
52.5°	674.6	679.0	682.4	687.8	693.7
55°	613.6	617.9	623.5	629.4	630.8
57.5°	551.7	556.5	560.0	566.3	572.7
60°	485.2	490.7	495.6	501.5	507.9
62.5°	423.4	425.7	430.7	440.5	449.8
65°	364.3	367.3	368.2	373.7	383.0
67.5°	315.1	315.1	310.7	312.6	323.0
70°	263.5	261.5	258.1	256.2	264.6
72.5°	221.7	219.2	211.9	208.5	212.9
75°	179.9	177.4	169.5	165.6	166.1
77.5°	144.5	140.6	134.2	127.4	125.9
80°	109.7	108.1	101.8	95.4	90.4
82.5°	77.7	74.3	70.7	66.8	62.9
85°	46.6	45.7	42.3	39.8	36.4
87.5°	19.1	19.1	18.2	17.1	16.3
90°	0.0	0.0	0.0	0.0	0.0



— 0°-180° - - 45°-225° 90°-270°

(END OF REPORT)