

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: P1050478

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

Issue Date: 7/11/2025

Test Information

Test Method: LM-79-2019
Report Number: P1050478
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2310-200-1)
Test Lab: INNOVATION CENTER
Issue Date: 7/11/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: 24PTR-35-L835-UNV-STD-W
Description: 3500 LUMEN 2X4 PERCEIVE PT TROFFER WITH 3500K, 80 CRI LEDS AND FROSTED LENS

Light Source:
Ballast/Driver: -

Summary

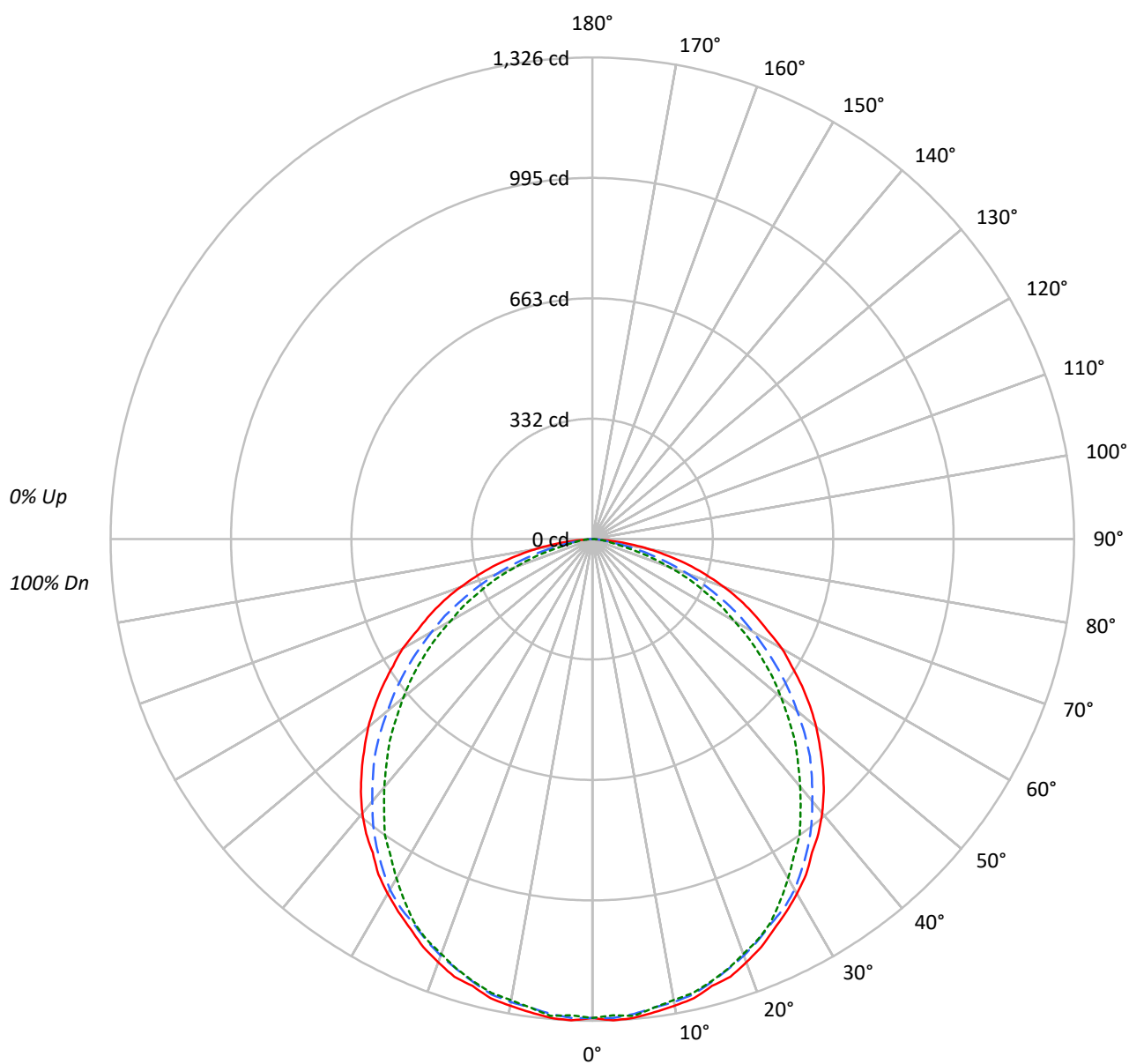
Lumens per Lamp: N/A
Luminaire Lumens: 3511.4 lumens
Efficiency: N/A
Efficacy: 125.4 lumens/watt
Spacing Criteria (0/90/45): 1.27 / 1.21 / 1.35
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

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: P1050478

CATALOG NUMBER: 24PTR-35-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	102	102	100
1	109	105	101	97	107	103	99	96	98	95	93	95	92	90	91	89	87	87	87	85
2	100	92	85	80	97	90	84	79	87	81	77	83	79	75	80	77	74	74	74	72
3	91	81	73	67	89	79	72	66	76	70	65	74	68	64	71	67	63	63	63	61
4	84	72	63	57	81	71	63	56	68	61	56	66	60	55	64	58	54	54	54	52
5	77	64	56	49	75	63	55	49	61	54	48	59	53	48	57	52	47	47	47	45
6	71	58	49	43	69	57	49	43	55	48	42	54	47	42	52	46	42	42	42	40
7	66	53	44	38	64	52	44	38	50	43	38	49	42	37	48	42	37	37	37	35
8	61	48	40	34	60	47	39	34	46	39	34	45	38	33	44	38	33	33	33	31
9	57	44	36	31	56	44	36	30	42	35	30	41	35	30	40	34	30	30	30	28
10	54	41	33	28	53	40	33	28	39	32	28	38	32	27	37	32	27	27	27	26

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1774	1774	1774
5°	1787	1772	1779
10°	1782	1768	1760
15°	1774	1760	1756
20°	1775	1747	1740
25°	1758	1732	1726
30°	1750	1731	1675
35°	1731	1700	1634
40°	1729	1655	1564
45°	1708	1612	1502
50°	1685	1540	1420
55°	1652	1468	1333
60°	1623	1373	1211
65°	1567	1260	1082
70°	1517	1096	883
75°	1424	865	608
80°	1235	523	365
85°	824	375	352

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 1708 cd/sqm

TEST NUMBER: P1050478

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

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	125.0	3.6
10°-20°	357.6	10.2
20°-30°	540.1	15.4
30°-40°	642.2	18.3
40°-50°	651.3	18.5
50°-60°	565.6	16.1
60°-70°	401.5	11.4
70°-80°	191.9	5.5
80°-90°	36.4	1.0
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°	1022.6	29.1
0°-40°	1664.8	47.4
0°-60°	2881.7	82.1
0°-90°	3511.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3511.4	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1318	1318	1318	1318	1318	
5°	1323	1318	1312	1315	1318	126
15°	1274	1277	1263	1262	1261	361
25°	1184	1182	1167	1171	1163	547
35°	1054	1052	1035	1000	995	662
45°	897	890	847	802	789	692
55°	704	683	626	589	568	629
65°	492	455	396	353	340	488
75°	274	224	166	132	117	287
85°	53	28	24	24	23	67
90°	0	0	0	0	0	

TEST NUMBER: P1050478

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

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1318.2	1318.2	1318.2	1318.2	1318.2
2.5°	1326.1	1321.4	1319.8	1325.3	1312.0
5°	1323.0	1318.2	1312.0	1315.1	1317.5
7.5°	1313.5	1309.6	1301.0	1308.0	1301.0
10°	1304.1	1300.2	1293.9	1296.3	1288.4
12.5°	1294.7	1285.3	1283.7	1285.3	1279.8
15°	1273.5	1276.6	1263.3	1261.7	1260.9
17.5°	1263.3	1255.4	1241.3	1242.1	1240.5
20°	1239.7	1230.3	1220.1	1218.5	1215.4
22.5°	1215.4	1204.4	1195.0	1199.7	1192.6
25°	1184.0	1182.4	1166.7	1171.4	1162.8
27.5°	1156.5	1151.0	1143.9	1133.7	1121.2
30°	1126.7	1121.2	1114.1	1087.4	1078.0
32.5°	1095.3	1089.0	1074.9	1043.5	1033.2
35°	1053.7	1052.1	1034.8	999.5	994.8
37.5°	1022.3	1005.0	990.8	954.7	941.4
40°	984.6	975.1	942.2	907.6	890.3
42.5°	943.0	932.0	894.3	857.4	838.5
45°	897.4	889.6	847.2	802.4	789.1
47.5°	850.3	843.2	793.0	749.8	732.5
50°	804.8	796.1	735.7	694.1	678.4
52.5°	755.3	741.2	681.5	640.7	625.8
55°	704.3	683.1	625.8	588.9	568.4
57.5°	650.1	630.5	566.9	528.4	511.9
60°	603.0	575.5	510.3	471.1	449.9
62.5°	542.5	519.0	457.0	410.6	400.4
65°	492.3	455.4	395.7	353.3	340.0
67.5°	441.2	398.1	337.6	294.4	287.4
70°	385.5	340.8	278.7	236.3	224.5
72.5°	329.0	285.0	224.5	179.8	172.7
75°	274.0	223.8	166.4	131.9	117.0
77.5°	214.3	168.8	117.0	80.9	71.4
80°	159.4	113.8	67.5	47.9	47.1
82.5°	104.4	66.0	36.1	36.9	35.3
85°	53.4	28.3	24.3	23.6	22.8
87.5°	10.2	11.0	11.8	11.8	11.8
90°	0.0	0.0	0.0	0.0	0.0



— 0°-180° - - 45°-225° 90°-270°

(END OF REPORT)