

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: P1050863

Luminaire Tested: 24PTR-35-PP3-L835-UNV-STD-W

Issue Date: 7/11/2025

Test Information

Test Method: LM-79-2019
Report Number: P1050863
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-35-PP3-L835-UNV-STD-W
Description: 3500 LUMEN 2X4 PERCEIVE PT TROFFER WITH 3500K, 80 CRI LEDS AND PRISM LENS

Light Source:
Ballast/Driver: -

Summary

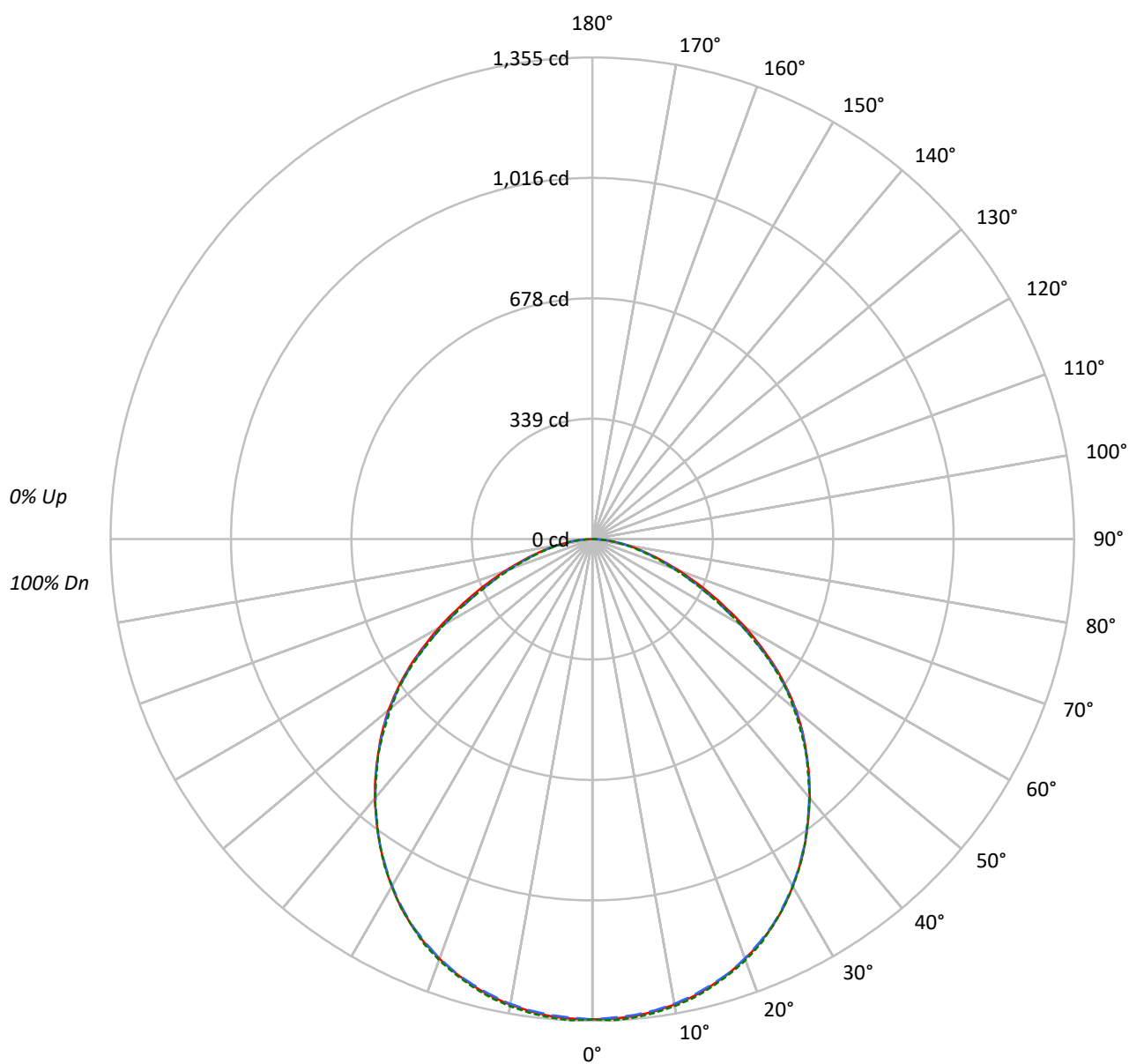
Lumens per Lamp: N/A
Luminaire Lumens: 3490.0 lumens
Efficiency: N/A
Efficacy: 124.6 lumens/watt
Spacing Criteria (0/90/45): 1.24 / 1.24 / 1.34
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 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

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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°	1817	1817	1817
5°	1819	1815	1825
10°	1817	1814	1823
15°	1811	1807	1815
20°	1799	1797	1805
25°	1783	1780	1782
30°	1753	1749	1753
35°	1714	1712	1714
40°	1671	1665	1670
45°	1620	1616	1618
50°	1566	1559	1548
55°	1474	1457	1453
60°	1338	1293	1295
65°	1175	1116	1115
70°	1016	970	959
75°	879	846	828
80°	779	768	733
85°	644	665	627

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°

Vertical Angle: 45°

Luminance: 1626 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	128.1	3.7
10°-20°	367.0	10.5
20°-30°	552.5	15.8
30°-40°	652.1	18.7
40°-50°	655.8	18.8
50°-60°	553.7	15.9
60°-70°	355.6	10.2
70°-80°	176.8	5.1
80°-90°	48.4	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°	1047.6	30.0
0°-40°	1699.7	48.7
0°-60°	2909.2	83.4
0°-90°	3490.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3490.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1351	1351	1351	1351	1351	
5°	1347	1347	1344	1350	1351	128
15°	1300	1300	1297	1303	1303	367
25°	1201	1201	1199	1201	1200	552
35°	1044	1044	1042	1043	1043	652
45°	852	855	849	850	850	657
55°	628	628	621	619	619	559
65°	369	364	351	347	350	368
75°	169	168	163	161	159	183
85°	42	43	43	41	41	49
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1350.8	1350.8	1350.8	1350.8	1350.8
2.5°	1350.2	1350.8	1347.2	1353.6	1354.7
5°	1346.9	1347.2	1343.8	1350.2	1351.1
7.5°	1339.9	1340.4	1337.4	1343.3	1344.4
10°	1329.6	1331.2	1327.6	1333.1	1334.0
12.5°	1316.9	1317.5	1313.9	1320.3	1321.4
15°	1299.8	1300.2	1297.3	1303.2	1303.2
17.5°	1280.0	1280.6	1278.6	1283.6	1283.1
20°	1256.2	1257.6	1255.1	1258.5	1260.4
22.5°	1230.2	1230.7	1227.7	1232.1	1234.1
25°	1200.8	1201.1	1198.8	1201.1	1200.2
27.5°	1166.4	1167.3	1163.9	1166.4	1166.9
30°	1128.1	1130.6	1125.8	1127.7	1128.1
32.5°	1086.9	1088.3	1085.0	1085.5	1088.0
35°	1043.8	1044.3	1042.4	1043.3	1043.3
37.5°	997.3	999.3	996.2	997.7	995.7
40°	951.2	949.2	948.1	949.2	950.6
42.5°	902.5	903.1	901.6	900.6	898.3
45°	851.6	854.6	849.1	850.2	850.2
47.5°	801.7	802.1	799.2	796.2	794.2
50°	748.3	748.3	744.7	742.4	739.3
52.5°	689.8	688.9	685.0	682.5	683.9
55°	628.5	628.0	621.2	618.7	619.3
57.5°	561.4	562.4	552.1	549.6	549.6
60°	497.2	492.2	480.5	477.1	481.4
62.5°	429.9	424.0	411.4	411.4	414.7
65°	369.1	363.8	350.6	347.0	350.1
67.5°	312.3	307.3	295.2	293.2	294.1
70°	258.3	254.0	246.6	242.1	243.7
72.5°	211.8	207.9	202.9	199.5	197.6
75°	169.1	168.2	162.8	161.2	159.3
77.5°	133.8	133.4	129.0	127.0	125.1
80°	100.5	99.9	99.1	96.0	94.6
82.5°	71.6	71.6	71.1	68.6	67.2
85°	41.7	43.1	43.1	40.6	40.6
87.5°	16.7	17.6	16.7	16.7	16.2
90°	0.0	0.0	0.0	0.0	0.0



— 0°-180° - - 45°-225° 90°-270°

(END OF REPORT)