

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: P1050985

Luminaire Tested: 24PTR-40-PR1-L935-UNV-STD-W

Issue Date: 7/11/2025

Test Information

Test Method: LM-79-2019
Report Number: P1050985
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P737735)
Test Lab: INNOVATION CENTER
Issue Date: 7/11/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: 24PTR-40-PR1-L935-UNV-STD-W
Description: 4000 LUMEN 2X4 PERCEIVE PT TROFFER WITH 3500K, 90 CRI LEDS AND RIPPLE LENS

Light Source:
Ballast/Driver: -

Summary

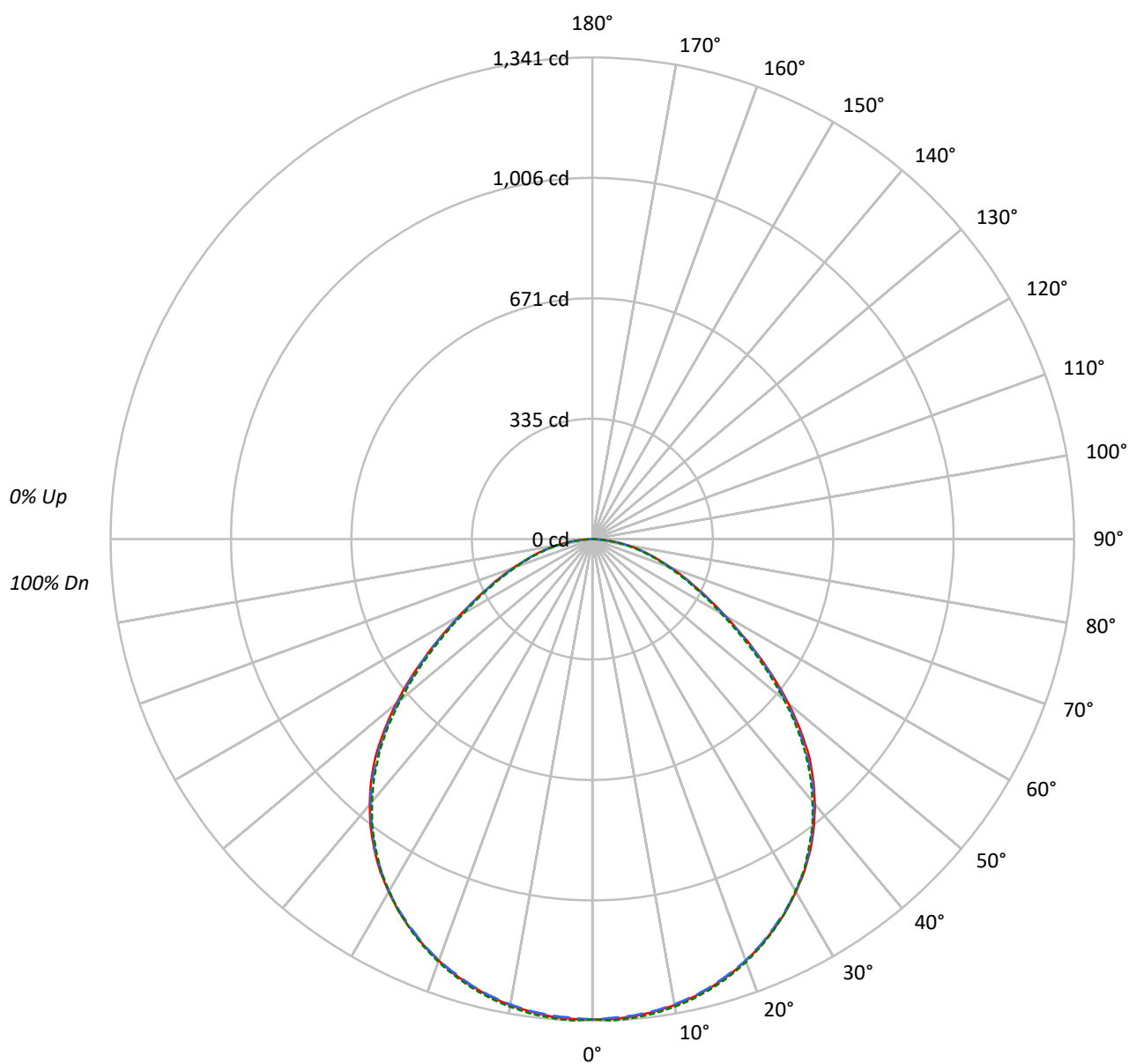
Lumens per Lamp: N/A
Luminaire Lumens: 3382.4 lumens
Efficiency: N/A
Efficacy: 102.5 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.26 / 1.34
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 33
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	110	105	101	98	107	103	99	96	99	96	93	95	92	90	91	89	88	85		
2	100	93	86	81	98	91	85	80	87	82	78	84	80	76	81	78	75	73		
3	92	82	74	68	90	80	73	68	78	71	66	75	70	65	72	68	64	62		
4	85	73	65	58	82	72	64	58	69	63	57	67	61	56	65	60	56	54		
5	78	66	57	51	76	65	56	50	62	55	50	61	54	49	59	53	49	47		
6	72	59	51	45	70	58	50	44	57	49	44	55	49	44	53	48	43	41		
7	67	54	45	40	65	53	45	39	52	44	39	50	44	39	49	43	39	37		
8	62	49	41	35	61	49	41	35	47	40	35	46	40	35	45	39	35	33		
9	58	45	37	32	57	45	37	32	44	37	32	43	36	32	42	36	31	30		
10	55	42	34	29	54	41	34	29	40	34	29	39	33	29	39	33	29	27		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1799	1799	1799
5°	1801	1797	1807
10°	1800	1797	1806
15°	1796	1794	1802
20°	1789	1787	1794
25°	1777	1773	1779
30°	1761	1759	1757
35°	1737	1733	1726
40°	1693	1687	1675
45°	1623	1604	1593
50°	1493	1476	1458
55°	1321	1316	1290
60°	1148	1144	1113
65°	1012	1006	986
70°	918	905	887
75°	850	830	815
80°	776	766	739
85°	613	608	584

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 1623 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	126.9	3.8
10°-20°	364.1	10.8
20°-30°	551.7	16.3
30°-40°	658.6	19.5
40°-50°	647.6	19.1
50°-60°	500.6	14.8
60°-70°	315.6	9.3
70°-80°	170.7	5.0
80°-90°	46.6	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°	1042.7	30.8
0°-40°	1701.2	50.3
0°-60°	2849.4	84.2
0°-90°	3382.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3382.4	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1337	1337	1337	1337	1337	
5°	1334	1334	1331	1336	1338	127
15°	1290	1290	1288	1292	1294	364
25°	1197	1198	1194	1198	1198	552
35°	1058	1058	1055	1054	1051	660
45°	853	849	843	836	837	653
55°	563	568	561	552	550	505
65°	318	318	316	310	310	320
75°	164	162	160	161	157	174
85°	40	40	39	40	38	47
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1337.4	1337.4	1337.4	1337.4	1337.4
2.5°	1336.9	1337.4	1333.6	1339.9	1341.3
5°	1333.6	1334.1	1330.7	1336.4	1338.0
7.5°	1326.8	1327.9	1324.6	1330.3	1331.7
10°	1317.2	1318.3	1315.0	1320.7	1322.1
12.5°	1305.4	1305.7	1303.0	1308.2	1309.6
15°	1289.6	1289.9	1287.6	1291.8	1293.7
17.5°	1271.3	1271.8	1268.5	1273.7	1274.6
20°	1249.3	1249.7	1247.8	1252.1	1252.6
22.5°	1224.8	1225.8	1222.8	1226.7	1227.2
25°	1197.1	1197.9	1194.1	1197.9	1198.5
27.5°	1167.8	1168.2	1164.8	1167.8	1167.3
30°	1133.7	1136.6	1132.3	1131.2	1130.9
32.5°	1098.3	1098.7	1094.5	1093.4	1095.4
35°	1057.6	1057.9	1055.1	1053.7	1050.8
37.5°	1013.0	1013.0	1007.6	1006.7	1006.2
40°	964.0	963.5	960.2	956.9	953.4
42.5°	910.7	911.8	905.0	899.2	898.4
45°	852.7	849.4	843.2	836.5	837.1
47.5°	784.3	785.2	776.6	771.2	769.8
50°	713.2	713.2	705.2	699.5	696.5
52.5°	639.0	639.6	631.9	624.2	622.7
55°	563.3	568.0	560.8	551.8	549.9
57.5°	492.4	496.2	489.4	479.8	479.3
60°	426.7	427.1	425.1	416.1	413.7
62.5°	370.6	368.2	367.1	362.4	359.5
65°	317.9	318.4	315.9	310.5	309.7
67.5°	275.2	274.7	270.3	267.0	265.1
70°	233.4	232.0	230.1	227.3	225.4
72.5°	196.1	196.1	194.5	193.7	190.4
75°	163.5	161.6	159.7	160.6	156.8
77.5°	132.4	130.5	128.9	127.0	126.1
80°	100.1	98.2	98.8	95.8	95.4
82.5°	69.5	69.5	68.6	66.2	66.7
85°	39.7	40.2	39.4	39.7	37.8
87.5°	14.5	14.8	15.8	14.8	14.8
90°	0.0	0.0	0.0	0.0	0.0



— 0°-180° - - 45°-225° 90°-270°

(END OF REPORT)