

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: P1050677

Luminaire Tested: 24PTR-40-PC3-L935-UNV-STD-W

Issue Date: 7/11/2025

Test Information

Test Method: LM-79-2019
Report Number: P1050677
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P737711)
Test Lab: INNOVATION CENTER
Issue Date: 7/11/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: 24PTR-40-PC3-L935-UNV-STD-W
Description: 4000 LUMEN 2X4 PERCEIVE PT TROFFER WITH 3500K, 90 CRI LEDS AND PARAMID LENS

Light Source:
Ballast/Driver: -

Summary

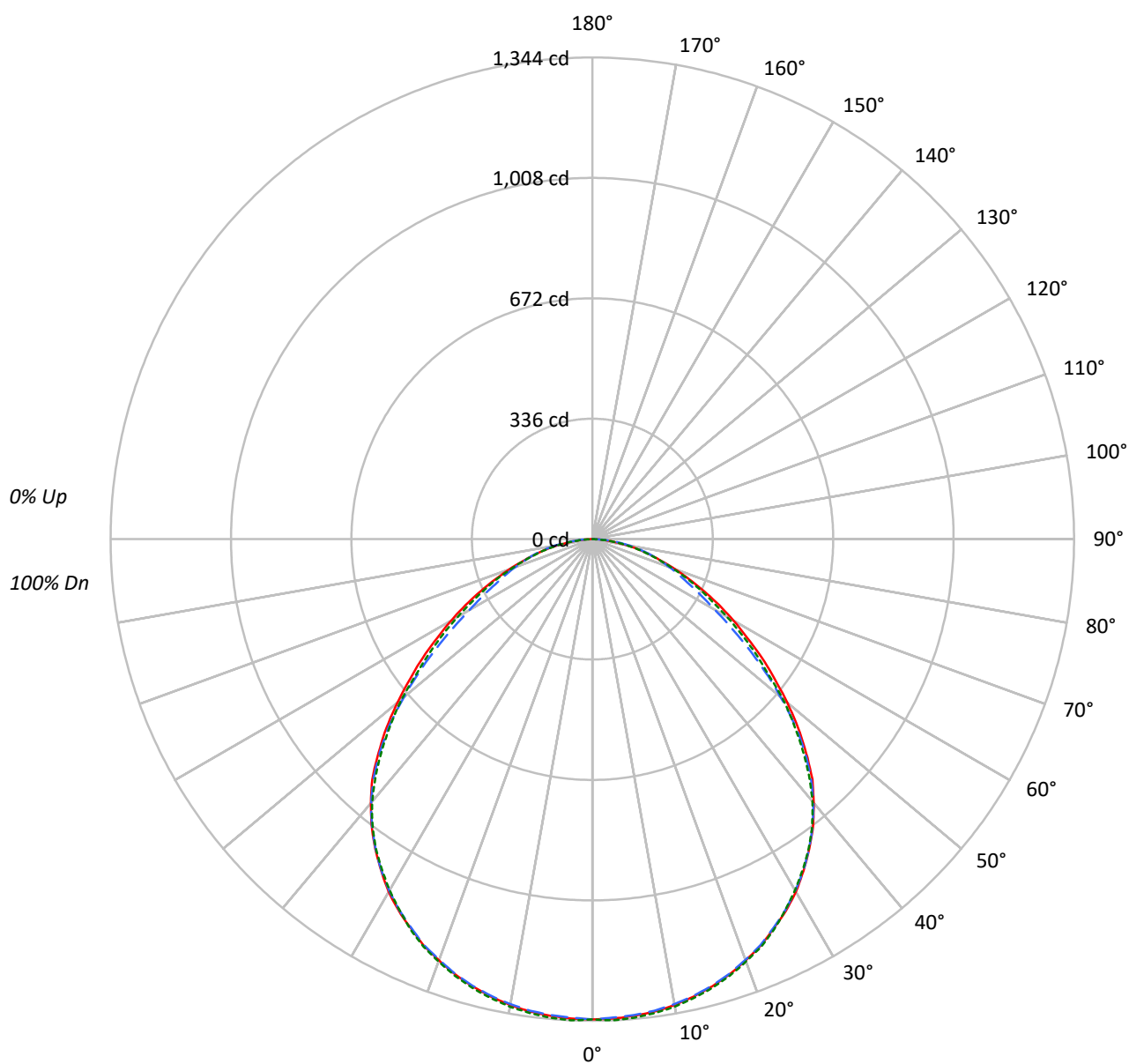
Lumens per Lamp: N/A
Luminaire Lumens: 3378.5 lumens
Efficiency: N/A
Efficacy: 102.4 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.25 / 1.34
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 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	87	85		
2	100	93	86	81	98	91	85	80	87	82	78	84	80	76	81	78	75	72		
3	92	82	74	68	90	80	73	68	77	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	46	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	40	33	29	39	33	29	27		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1803	1803	1803
5°	1804	1800	1811
10°	1804	1800	1810
15°	1799	1797	1805
20°	1791	1788	1796
25°	1779	1776	1783
30°	1766	1760	1757
35°	1734	1732	1729
40°	1688	1685	1678
45°	1605	1593	1577
50°	1486	1436	1452
55°	1356	1246	1302
60°	1223	1063	1166
65°	1093	951	1048
70°	969	900	943
75°	857	872	840
80°	739	833	735
85°	554	659	554

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°

Vertical Angle: 45°

Luminance: 1609 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	127.1	3.8
10°-20°	364.8	10.8
20°-30°	552.4	16.3
30°-40°	658.5	19.5
40°-50°	643.5	19.0
50°-60°	492.0	14.6
60°-70°	315.9	9.4
70°-80°	175.7	5.2
80°-90°	48.5	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°	1044.3	30.9
0°-40°	1702.8	50.4
0°-60°	2838.3	84.0
0°-90°	3378.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3378.5	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1340	1340	1340	1340	1340	
5°	1335	1336	1333	1339	1341	127
15°	1292	1293	1290	1295	1296	365
25°	1198	1200	1196	1200	1201	553
35°	1056	1056	1054	1054	1053	659
45°	844	846	837	835	829	649
55°	578	558	531	538	555	517
65°	343	317	299	309	329	342
75°	165	166	168	165	162	176
85°	36	42	43	41	36	44
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1340.1	1340.1	1340.1	1340.1	1340.1
2.5°	1339.2	1339.7	1336.2	1342.0	1343.9
5°	1335.4	1336.2	1332.9	1339.2	1340.6
7.5°	1329.6	1330.5	1327.2	1333.5	1334.0
10°	1320.1	1320.6	1317.6	1323.9	1324.8
12.5°	1307.2	1308.6	1305.2	1311.0	1311.3
15°	1291.7	1292.7	1290.3	1294.6	1296.0
17.5°	1273.6	1274.1	1271.6	1276.3	1276.9
20°	1250.9	1250.9	1249.0	1254.4	1254.4
22.5°	1227.9	1226.5	1226.0	1227.9	1230.9
25°	1198.3	1199.7	1196.4	1200.2	1201.1
27.5°	1169.6	1169.6	1166.6	1168.5	1166.1
30°	1136.5	1134.6	1132.7	1133.0	1130.8
32.5°	1096.6	1096.6	1095.7	1095.7	1092.8
35°	1055.5	1056.4	1054.5	1054.0	1052.6
37.5°	1011.3	1012.9	1009.4	1008.5	1007.5
40°	961.0	961.0	959.6	957.6	955.2
42.5°	908.7	908.7	902.6	897.7	894.4
45°	843.6	845.5	837.3	835.4	828.8
47.5°	778.8	777.4	766.4	765.0	761.2
50°	709.8	701.6	686.0	690.2	693.6
52.5°	640.9	630.8	607.8	612.5	618.2
55°	578.0	558.0	531.2	537.8	555.0
57.5°	512.3	485.5	458.7	471.2	492.7
60°	454.4	424.2	395.0	408.4	433.3
62.5°	398.8	366.8	343.2	356.1	377.2
65°	343.2	316.8	298.7	308.6	329.3
67.5°	292.4	274.6	262.3	267.0	283.7
70°	246.4	235.3	228.7	230.1	239.6
72.5°	202.7	199.9	197.5	197.5	198.4
75°	164.9	166.3	167.7	165.4	161.6
77.5°	129.9	134.6	138.1	133.2	128.5
80°	95.4	103.1	107.5	102.1	94.9
82.5°	65.1	73.8	75.2	71.9	63.7
85°	35.9	42.1	42.7	41.3	35.9
87.5°	13.4	15.8	17.2	15.8	13.9
90°	0.0	0.0	0.0	0.0	0.0



— 0°-180° - - 45°-225° 90°-270°

(END OF REPORT)