

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: P1050600

Luminaire Tested: 24PTR-40-PB1-L935-UNV-STD-W

Issue Date: 7/11/2025

Test Information

Test Method: LM-79-2019
Report Number: P1050600
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P737703)
Test Lab: INNOVATION CENTER
Issue Date: 7/11/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: 24PTR-40-PB1-L935-UNV-STD-W
Description: 4000 LUMEN 2X4 PERCEIVE PT TROFFER WITH 3500K, 90 CRI LEDS AND FROSTED LENS

Light Source:
Ballast/Driver: -

Summary

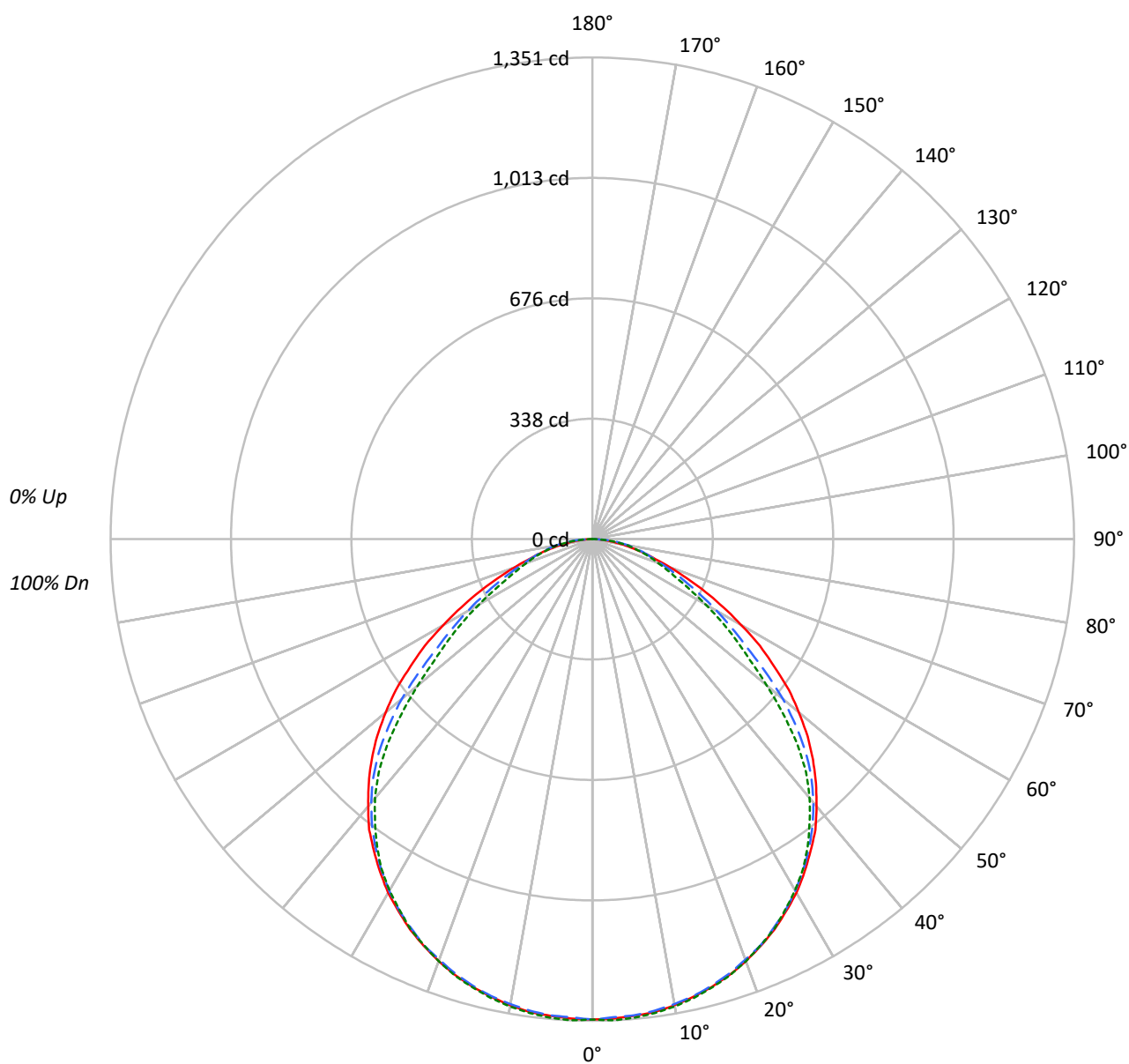
Lumens per Lamp: N/A
Luminaire Lumens: 3360.1 lumens
Efficiency: N/A
Efficacy: 101.8 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.25 / 1.34
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

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	93	90	91	89	88	86		
2	100	93	86	81	98	91	85	80	87	83	78	84	80	77	81	78	75	73		
3	92	82	75	69	90	81	74	68	78	72	67	75	70	66	73	68	64	62		
4	85	73	65	59	83	72	64	58	70	63	58	67	62	57	65	60	56	54		
5	78	66	57	51	76	65	57	51	63	56	50	61	55	50	59	54	49	47		
6	72	60	51	45	71	59	51	45	57	50	44	55	49	44	54	48	44	42		
7	67	54	46	40	66	53	45	40	52	45	39	51	44	39	49	43	39	37		
8	63	50	41	36	61	49	41	36	48	41	35	46	40	35	45	39	35	33		
9	59	46	38	32	57	45	37	32	44	37	32	43	36	32	42	36	32	30		
10	55	42	34	29	54	42	34	29	41	34	29	40	33	29	39	33	29	27		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1813	1813	1813
5°	1813	1811	1820
10°	1814	1809	1818
15°	1810	1806	1812
20°	1804	1797	1804
25°	1794	1786	1791
30°	1779	1769	1766
35°	1753	1740	1729
40°	1718	1694	1665
45°	1665	1611	1545
50°	1582	1461	1336
55°	1458	1240	1151
60°	1298	1084	986
65°	1114	940	839
70°	919	828	769
75°	775	792	750
80°	656	809	771
85°	513	820	718

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 1665 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	127.8	3.8
10°-20°	366.6	10.9
20°-30°	555.4	16.5
30°-40°	661.7	19.7
40°-50°	647.1	19.3
50°-60°	489.5	14.6
60°-70°	300.7	8.9
70°-80°	160.2	4.8
80°-90°	51.1	1.5
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°	1049.7	31.2
0°-40°	1711.5	50.9
0°-60°	2848.1	84.8
0°-90°	3360.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3360.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1348	1348	1348	1348	1348	
5°	1342	1344	1341	1346	1348	128
15°	1300	1301	1296	1301	1301	367
25°	1208	1207	1203	1205	1207	556
35°	1067	1066	1059	1054	1053	668
45°	875	870	847	819	812	673
55°	622	590	529	499	490	557
65°	350	322	295	272	264	348
75°	149	151	152	148	144	160
85°	33	43	53	50	46	40
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1347.5	1347.5	1347.5	1347.5	1347.5
2.5°	1345.9	1347.5	1342.5	1349.2	1350.8
5°	1342.5	1344.2	1340.9	1345.9	1347.5
7.5°	1337.6	1337.6	1334.3	1339.2	1340.9
10°	1327.7	1327.7	1324.4	1329.2	1331.0
12.5°	1314.4	1314.4	1312.7	1316.0	1317.8
15°	1299.5	1301.0	1296.2	1301.0	1301.0
17.5°	1281.2	1279.6	1277.9	1281.2	1283.0
20°	1259.6	1259.6	1254.8	1258.1	1259.6
22.5°	1234.8	1234.8	1233.2	1234.8	1233.2
25°	1208.3	1206.6	1203.3	1205.0	1206.6
27.5°	1176.8	1176.8	1173.5	1173.5	1171.8
30°	1145.3	1143.6	1138.7	1135.4	1137.0
32.5°	1107.2	1105.5	1100.6	1097.3	1098.9
35°	1067.4	1065.8	1059.2	1054.1	1052.6
37.5°	1027.7	1022.6	1014.3	1007.7	1001.1
40°	977.9	972.9	964.7	949.7	948.0
42.5°	928.2	923.3	909.9	891.8	886.7
45°	875.1	870.2	846.9	818.7	812.1
47.5°	818.7	810.5	774.0	739.2	726.0
50°	755.9	740.9	697.8	653.0	638.1
52.5°	694.5	668.0	611.6	571.8	557.0
55°	621.6	590.1	528.8	498.9	490.5
57.5°	557.0	513.8	464.1	434.3	427.7
60°	482.3	442.5	402.8	376.2	366.3
62.5°	414.3	379.5	346.4	323.1	311.6
65°	349.8	321.6	295.1	271.8	263.6
67.5°	286.8	271.8	250.2	232.1	227.1
70°	233.7	225.3	210.5	202.2	195.6
72.5°	185.7	189.0	179.1	175.7	170.7
75°	149.1	150.9	152.4	147.6	144.3
77.5°	112.8	120.9	127.5	124.2	120.9
80°	84.6	92.7	104.4	99.5	99.5
82.5°	57.9	68.0	78.0	74.6	72.9
85°	33.2	43.2	53.1	49.8	46.5
87.5°	13.2	21.6	23.1	23.1	21.6
90°	0.0	0.0	0.0	0.0	0.0



— 0°-180° - - 45°-225° 90°-270°

(END OF REPORT)