

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: P1051062

Luminaire Tested: 24PTR-40-PW1-L935-UNV-STD-W

Issue Date: 7/11/2025

Test Information

Test Method: LM-79-2019
Report Number: P1051062
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P737743)
Test Lab: INNOVATION CENTER
Issue Date: 7/11/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: 24PTR-40-PW1-L935-UNV-STD-W
Description: 4000 LUMEN 2X4 PERCEIVE PT TROFFER WITH 3500K, 90 CRI LEDS AND WAVES LENS

Light Source:
Ballast/Driver: -

Summary

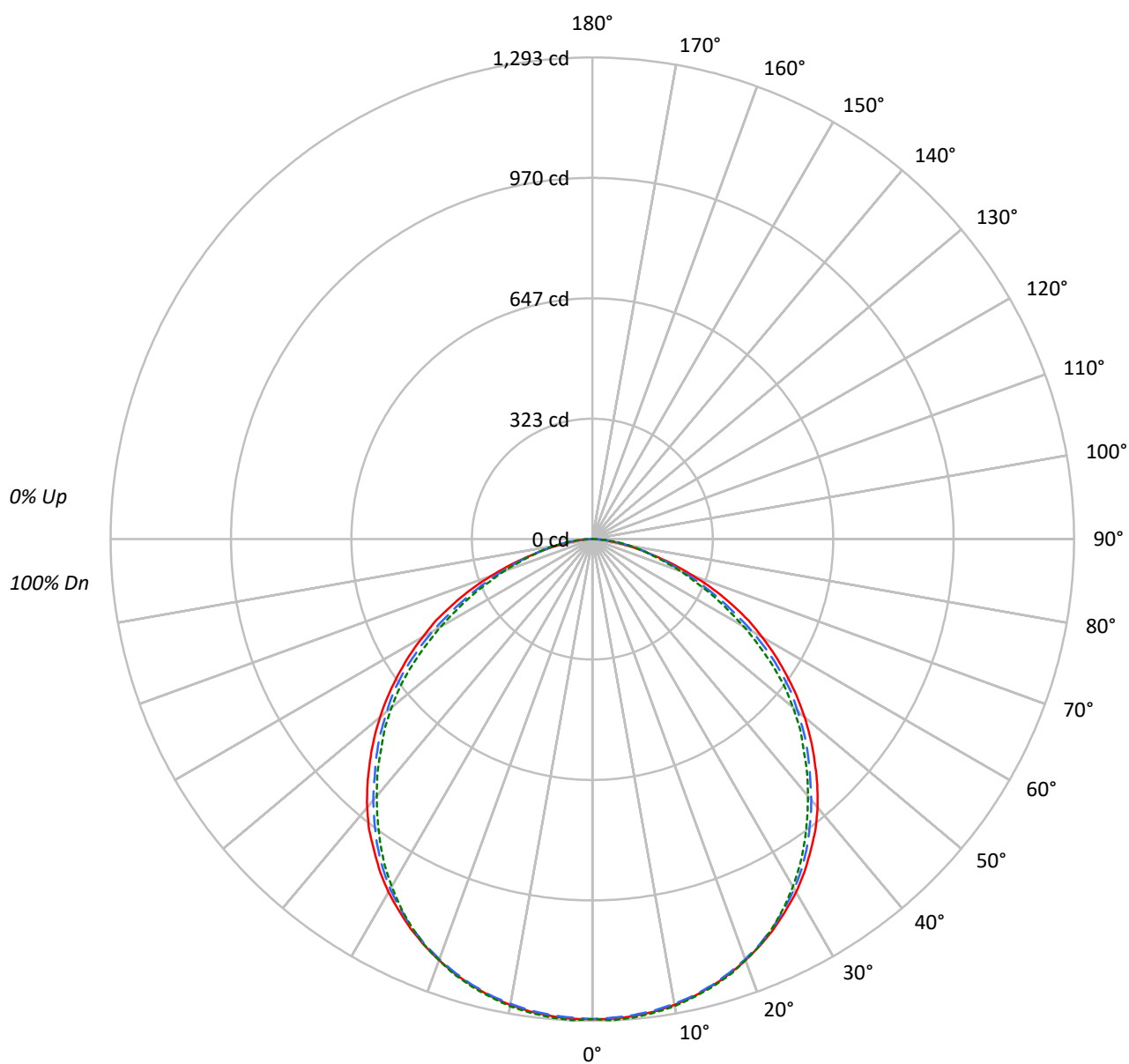
Lumens per Lamp: N/A
Luminaire Lumens: 3420.2 lumens
Efficiency: N/A
Efficacy: 103.6 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.24 / 1.34
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

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	102	102	100
1	109	105	101	97	107	103	99	95	98	95	92	94	92	90	91	89	87	87	87	85
2	100	92	85	80	97	90	84	79	86	81	77	83	79	75	80	77	74	74	74	71
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	57	68	61	56	66	60	55	64	59	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	62	48	40	34	60	48	40	34	46	39	34	45	38	34	44	38	33	33	33	31
9	58	44	36	31	56	44	36	31	43	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	28	38	32	27	27	27	26

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1734	1734	1734
5°	1736	1732	1741
10°	1735	1731	1740
15°	1729	1727	1733
20°	1722	1718	1722
25°	1713	1706	1704
30°	1700	1685	1673
35°	1677	1652	1631
40°	1651	1606	1581
45°	1606	1558	1526
50°	1557	1506	1472
55°	1492	1442	1384
60°	1415	1331	1262
65°	1309	1189	1130
70°	1135	1035	996
75°	906	886	861
80°	688	769	769
85°	509	656	656

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 1606 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	122.2	3.6
10°-20°	350.6	10.2
20°-30°	529.8	15.5
30°-40°	629.1	18.4
40°-50°	633.8	18.5
50°-60°	547.9	16.0
60°-70°	374.4	10.9
70°-80°	184.6	5.4
80°-90°	47.8	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°	1002.6	29.3
0°-40°	1631.7	47.7
0°-60°	2813.4	82.3
0°-90°	3420.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3420.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1289	1289	1289	1289	1289	
5°	1285	1286	1282	1287	1289	122
15°	1242	1243	1240	1244	1244	350
25°	1154	1153	1149	1150	1148	531
35°	1021	1018	1006	997	993	639
45°	844	835	819	809	802	651
55°	636	634	615	596	590	569
65°	411	396	373	357	355	406
75°	174	173	170	170	166	190
85°	33	39	42	43	42	40
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1288.8	1288.8	1288.8	1288.8	<i>1288.8</i>
2.5°	<i>1288.4</i>	<i>1288.8</i>	<i>1285.5</i>	<i>1291.2</i>	<i>1292.6</i>
5°	1285.0	1285.5	1282.2	1287.4	<i>1288.8</i>
7.5°	1278.9	1279.8	1276.0	1281.2	<i>1282.2</i>
10°	1269.7	1270.2	1266.9	1272.1	<i>1273.2</i>
12.5°	1257.4	1257.7	1255.0	1259.6	<i>1259.6</i>
15°	1241.6	1243.0	1239.7	1244.0	<i>1244.4</i>
17.5°	1223.9	1224.4	1221.1	1225.8	<i>1226.8</i>
20°	1202.9	1202.9	1200.1	1203.9	<i>1202.9</i>
22.5°	1179.5	1179.5	1176.2	1178.1	<i>1179.0</i>
25°	1153.8	1152.7	1148.9	1150.0	<i>1148.1</i>
27.5°	1124.1	1124.1	1117.4	1117.4	<i>1114.1</i>
30°	1094.1	1091.7	1084.6	1080.2	<i>1076.9</i>
32.5°	1059.6	1056.3	1047.2	1039.6	<i>1037.2</i>
35°	1021.0	1017.6	1005.6	996.6	<i>992.8</i>
37.5°	983.7	976.1	960.3	951.3	<i>946.9</i>
40°	940.2	930.6	914.5	902.0	<i>900.1</i>
42.5°	893.5	885.9	864.9	855.7	<i>853.4</i>
45°	843.9	834.7	818.9	809.3	<i>802.2</i>
47.5°	795.1	788.3	770.3	758.8	<i>756.4</i>
50°	743.9	738.2	719.6	707.3	<i>703.0</i>
52.5°	691.0	687.2	671.4	655.6	<i>650.4</i>
55°	636.2	634.2	614.6	596.4	<i>590.2</i>
57.5°	582.2	579.8	555.3	534.3	<i>528.6</i>
60°	525.8	518.7	494.7	475.1	<i>468.9</i>
62.5°	472.3	457.1	431.2	415.9	<i>408.8</i>
65°	411.1	396.3	373.4	357.1	<i>354.9</i>
67.5°	351.0	333.3	315.6	305.6	<i>297.9</i>
70°	288.4	276.4	263.1	254.6	<i>253.2</i>
72.5°	230.1	221.6	214.8	209.6	<i>205.3</i>
75°	174.2	172.8	170.4	170.4	<i>165.7</i>
77.5°	128.1	131.4	133.3	132.7	<i>133.8</i>
80°	88.8	95.4	99.3	99.8	<i>99.3</i>
82.5°	56.4	64.0	70.3	71.1	<i>72.2</i>
85°	33.0	38.7	42.5	43.4	<i>42.5</i>
87.5°	14.7	18.6	19.6	20.5	<i>19.6</i>
90°	0.0	0.0	0.0	0.0	<i>0.0</i>



— 0°-180° - - 45°-225° 90°-270°

(END OF REPORT)