

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: P1051072

Luminaire Tested: 24PTR-35-PW1-L940-UNV-STD-W

Issue Date: 7/11/2025

Test Information

Test Method: LM-79-2019
Report Number: P1051072
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-35-PW1-L940-UNV-STD-W
Description: 3500 LUMEN 2X4 PERCEIVE PT TROFFER WITH 4000K, 90 CRI LEDS AND WAVES LENS

Light Source:
Ballast/Driver: -

Summary

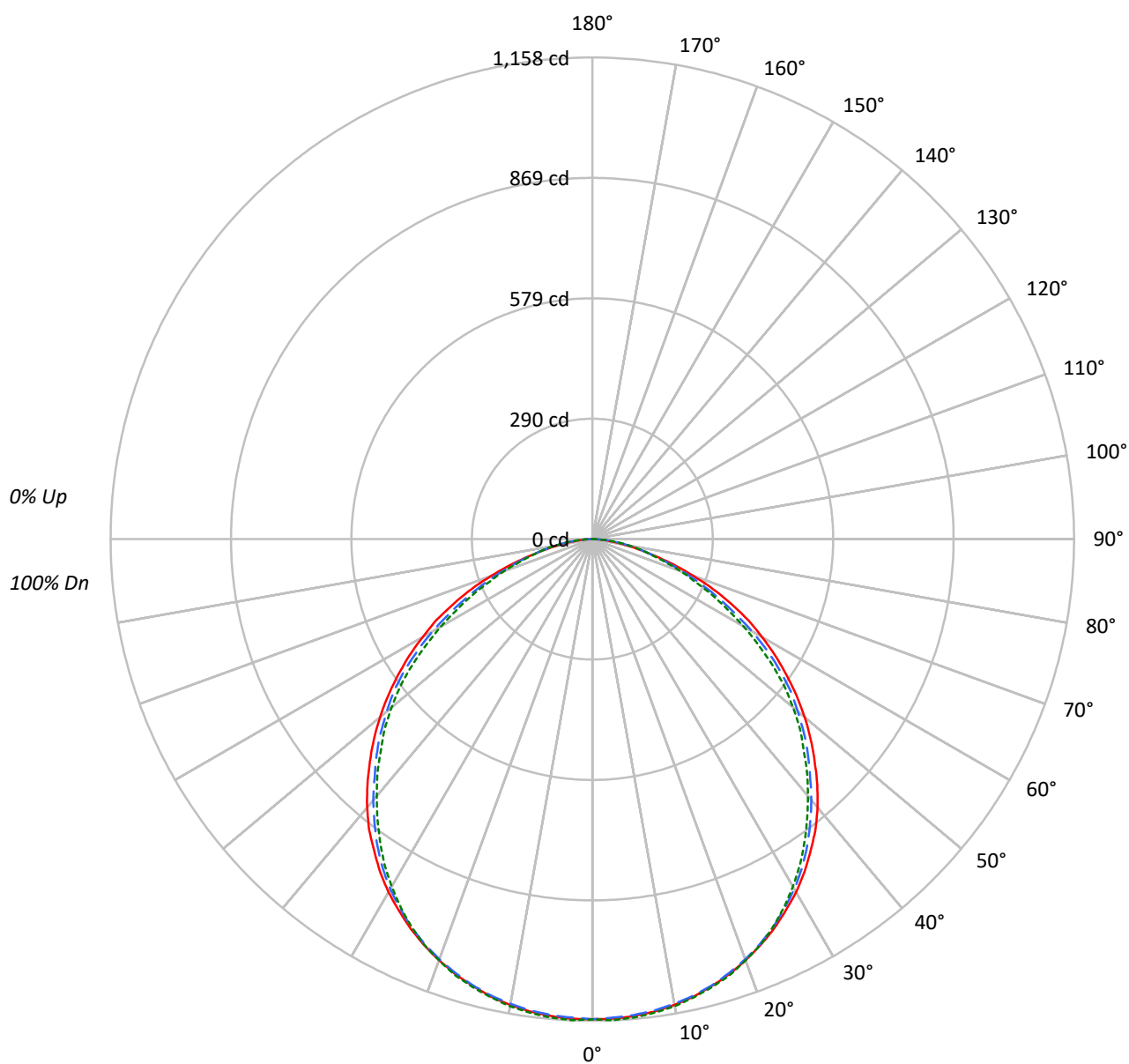
Lumens per Lamp: N/A
Luminaire Lumens: 3063.3 lumens
Efficiency: N/A
Efficacy: 109.4 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.24 / 1.34
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 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	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°	1553	1553	1553
5°	1554	1551	1559
10°	1554	1550	1558
15°	1549	1547	1552
20°	1543	1539	1543
25°	1534	1528	1526
30°	1522	1509	1498
35°	1502	1479	1460
40°	1479	1439	1416
45°	1438	1396	1367
50°	1395	1349	1318
55°	1337	1291	1240
60°	1267	1192	1130
65°	1172	1065	1012
70°	1016	927	892
75°	811	793	771
80°	617	689	689
85°	455	588	588

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 1438 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	109.5	3.6
10°-20°	314.0	10.3
20°-30°	474.5	15.5
30°-40°	563.4	18.4
40°-50°	567.7	18.5
50°-60°	490.7	16.0
60°-70°	335.4	10.9
70°-80°	165.4	5.4
80°-90°	42.8	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°	898.0	29.3
0°-40°	1461.4	47.7
0°-60°	2519.8	82.3
0°-90°	3063.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3063.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1154	1154	1154	1154	1154	
5°	1151	1151	1148	1153	1154	109
15°	1112	1113	1110	1114	1114	314
25°	1033	1032	1029	1030	1028	476
35°	914	911	901	893	889	572
45°	756	748	733	725	718	583
55°	570	568	550	534	529	509
65°	368	355	334	320	318	363
75°	156	155	153	153	148	170
85°	30	35	38	39	38	36
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1154.3	1154.3	1154.3	1154.3	<i>1154.3</i>
2.5°	<i>1154.0</i>	<i>1154.3</i>	<i>1151.3</i>	<i>1156.5</i>	<i>1157.7</i>
5°	1150.9	1151.3	1148.4	1153.0	<i>1154.3</i>
7.5°	1145.4	1146.2	1142.8	1147.4	<i>1148.4</i>
10°	1137.2	1137.7	1134.7	1139.4	<i>1140.3</i>
12.5°	1126.2	1126.5	1124.0	1128.2	<i>1128.2</i>
15°	1112.0	1113.3	1110.3	1114.2	<i>1114.5</i>
17.5°	1096.2	1096.6	1093.7	1097.9	<i>1098.8</i>
20°	1077.4	1077.4	1074.9	1078.3	<i>1077.4</i>
22.5°	1056.4	1056.4	1053.4	1055.1	<i>1055.9</i>
25°	1033.4	1032.4	1029.0	1030.0	<i>1028.2</i>
27.5°	1006.8	1006.8	1000.7	1000.7	<i>997.8</i>
30°	979.9	977.7	971.4	967.5	<i>964.5</i>
32.5°	949.0	946.0	937.9	931.1	<i>928.9</i>
35°	914.5	911.4	900.6	892.6	<i>889.1</i>
37.5°	881.1	874.2	860.1	852.0	<i>848.1</i>
40°	842.1	833.5	819.1	807.9	<i>806.2</i>
42.5°	800.2	793.4	774.6	766.4	<i>764.3</i>
45°	755.8	747.6	733.4	724.9	<i>718.5</i>
47.5°	712.1	706.1	689.9	679.6	<i>677.5</i>
50°	666.3	661.1	644.5	633.5	<i>629.6</i>
52.5°	618.9	615.5	601.3	587.2	<i>582.5</i>
55°	569.8	568.1	550.5	534.2	<i>528.6</i>
57.5°	521.4	519.3	497.3	478.5	<i>473.4</i>
60°	470.9	464.5	443.1	425.5	<i>419.9</i>
62.5°	423.0	409.4	386.2	372.5	<i>366.2</i>
65°	368.2	355.0	334.5	319.8	<i>317.8</i>
67.5°	314.4	298.6	282.7	273.7	<i>266.9</i>
70°	258.3	247.6	235.6	228.0	<i>226.8</i>
72.5°	206.1	198.5	192.4	187.7	<i>183.9</i>
75°	156.0	154.8	152.6	152.6	<i>148.4</i>
77.5°	114.7	117.7	119.4	118.9	<i>119.8</i>
80°	79.6	85.5	88.9	89.4	<i>88.9</i>
82.5°	50.5	57.3	62.9	63.7	<i>64.7</i>
85°	29.5	34.7	38.1	38.9	<i>38.1</i>
87.5°	13.2	16.6	17.6	18.3	<i>17.6</i>
90°	0.0	0.0	0.0	0.0	<i>0.0</i>



— 0°-180° - - 45°-225° 90°-270°

(END OF REPORT)