

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: P1050918

Luminaire Tested: 24PTR-35-PP3-L940-UNV-STD-W

Issue Date: 7/11/2025

Test Information

Test Method: LM-79-2019
Report Number: P1050918
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P737727)
Test Lab: INNOVATION CENTER
Issue Date: 7/11/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: 24PTR-35-PP3-L940-UNV-STD-W
Description: 3500 LUMEN 2X4 PERCEIVE PT TROFFER WITH 4000K, 90 CRI LEDS AND PRISM LENS

Light Source:
Ballast/Driver: -

Summary

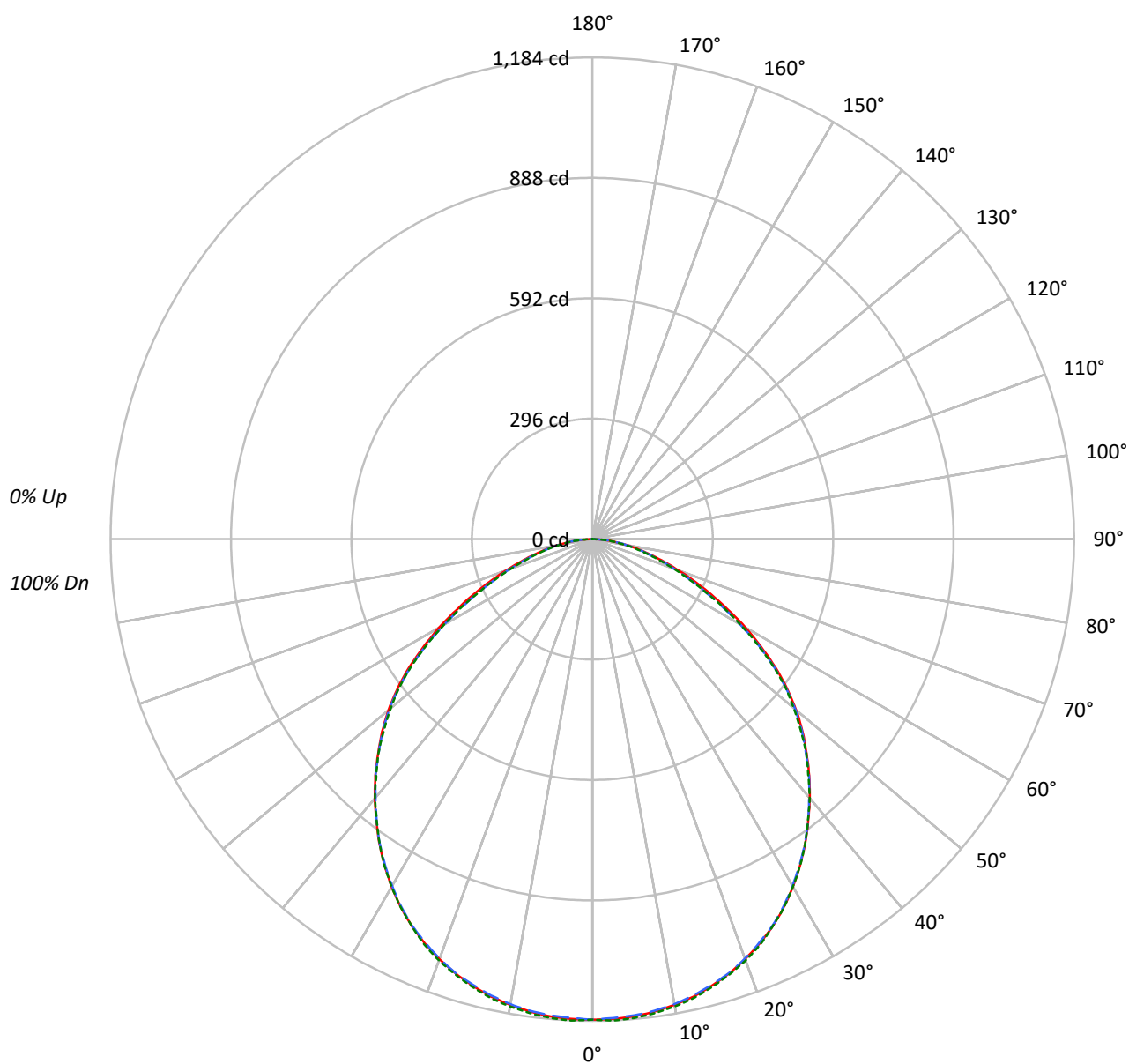
Lumens per Lamp: N/A
Luminaire Lumens: 3051.6 lumens
Efficiency: N/A
Efficacy: 109.0 lumens/watt
Spacing Criteria (0/90/45): 1.24 / 1.24 / 1.34
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

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

TEST NUMBER: P1050918

CATALOG NUMBER: 24PTR-35-PP3-L940-UNV-STD-W

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	109	105	101	97	107	103	99	96	99	96	93	95	92	90	91	89	87	85		
2	100	92	86	80	97	90	84	79	87	82	78	84	79	76	81	77	74	72		
3	92	81	74	67	89	80	73	67	77	71	66	74	69	65	72	67	63	61		
4	84	73	64	58	82	71	63	57	69	62	56	66	60	56	64	59	55	53		
5	77	65	56	50	75	64	56	50	62	55	49	60	54	49	58	52	48	46		
6	72	59	50	44	70	58	50	44	56	49	43	54	48	43	53	47	42	40		
7	66	53	45	39	65	52	44	39	51	44	38	50	43	38	48	42	38	36		
8	62	49	40	35	60	48	40	35	47	39	34	45	39	34	44	38	34	32		
9	58	45	37	31	57	44	36	31	43	36	31	42	35	31	41	35	31	29		
10	54	41	34	28	53	41	33	28	40	33	28	39	33	28	38	32	28	26		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1589	1589	1589
5°	1591	1587	1596
10°	1588	1586	1594
15°	1583	1580	1587
20°	1573	1571	1578
25°	1559	1556	1558
30°	1533	1529	1533
35°	1499	1497	1498
40°	1461	1456	1460
45°	1417	1413	1415
50°	1370	1363	1353
55°	1289	1274	1270
60°	1170	1130	1133
65°	1028	976	975
70°	889	848	838
75°	768	740	724
80°	681	671	641
85°	563	582	548

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°

Vertical Angle: 45°

Luminance: 1422 cd/sqm

TEST NUMBER: P1050918

CATALOG NUMBER: 24PTR-35-PP3-L940-UNV-STD-W

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	112.0	3.7
10°-20°	320.9	10.5
20°-30°	483.1	15.8
30°-40°	570.2	18.7
40°-50°	573.4	18.8
50°-60°	484.1	15.9
60°-70°	310.9	10.2
70°-80°	154.7	5.1
80°-90°	42.4	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°	916.0	30.0
0°-40°	1486.1	48.7
0°-60°	2543.7	83.4
0°-90°	3051.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3051.6	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1181	1181	1181	1181	1181	
5°	1178	1178	1175	1181	1181	112
15°	1136	1137	1134	1140	1140	321
25°	1050	1050	1048	1050	1050	483
35°	913	913	911	912	912	570
45°	745	747	742	743	743	575
55°	550	549	543	541	542	489
65°	323	318	307	303	306	322
75°	148	147	142	141	139	160
85°	36	38	38	36	36	43
90°	0	0	0	0	0	

TEST NUMBER: P1050918

CATALOG NUMBER: 24PTR-35-PP3-L940-UNV-STD-W

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1181.1	1181.1	1181.1	1181.1	<i>1181.1</i>
2.5°	<i>1180.6</i>	<i>1181.1</i>	<i>1178.0</i>	<i>1183.6</i>	<i>1184.5</i>
5°	1177.7	1178.0	1175.0	1180.6	<i>1181.4</i>
7.5°	1171.6	1172.0	1169.4	1174.5	<i>1175.5</i>
10°	1162.5	1163.9	1160.8	1165.7	<i>1166.4</i>
12.5°	1151.5	1151.9	1148.8	1154.4	<i>1155.4</i>
15°	1136.5	1136.8	1134.3	1139.5	<i>1139.5</i>
17.5°	1119.2	1119.7	1118.0	1122.4	<i>1121.9</i>
20°	1098.4	1099.6	1097.4	1100.4	<i>1102.1</i>
22.5°	1075.6	1076.1	1073.4	1077.3	<i>1079.0</i>
25°	1049.9	1050.2	1048.2	1050.2	<i>1049.5</i>
27.5°	1019.9	1020.6	1017.7	1019.9	<i>1020.3</i>
30°	986.4	988.5	984.3	986.1	<i>986.4</i>
32.5°	950.4	951.6	948.7	949.1	<i>951.3</i>
35°	912.7	913.1	911.4	912.2	<i>912.2</i>
37.5°	872.0	873.7	871.1	872.3	<i>870.6</i>
40°	831.7	830.0	829.0	830.0	<i>831.2</i>
42.5°	789.2	789.6	788.4	787.4	<i>785.4</i>
45°	744.6	747.2	742.4	743.4	<i>743.4</i>
47.5°	701.0	701.3	698.8	696.2	<i>694.4</i>
50°	654.3	654.3	651.1	649.1	<i>646.5</i>
52.5°	603.2	602.4	599.0	596.8	<i>598.0</i>
55°	549.6	549.1	543.2	541.0	<i>541.5</i>
57.5°	490.8	491.8	482.7	480.6	<i>480.6</i>
60°	434.8	430.4	420.1	417.2	<i>420.9</i>
62.5°	375.9	370.7	359.7	359.7	<i>362.6</i>
65°	322.8	318.1	306.6	303.4	<i>306.1</i>
67.5°	273.1	268.7	258.1	256.4	<i>257.2</i>
70°	225.9	222.1	215.6	211.7	<i>213.1</i>
72.5°	185.2	181.8	177.4	174.5	<i>172.8</i>
75°	147.8	147.1	142.4	141.0	<i>139.3</i>
77.5°	117.0	116.7	112.8	111.1	<i>109.4</i>
80°	87.9	87.4	86.6	84.0	<i>82.7</i>
82.5°	62.6	62.6	62.2	60.0	<i>58.7</i>
85°	36.5	37.7	37.7	35.5	<i>35.5</i>
87.5°	14.6	15.4	14.6	14.6	<i>14.2</i>
90°	0.0	0.0	0.0	0.0	<i>0.0</i>



— 0°-180° - - 45°-225° 90°-270°

(END OF REPORT)