

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: P1050995

Luminaire Tested: 24PTR-35-PR1-L940-UNV-STD-W

Issue Date: 7/11/2025

Test Information

Test Method: LM-79-2019
Report Number: P1050995
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P737735)
Test Lab: INNOVATION CENTER
Issue Date: 7/11/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: 24PTR-35-PR1-L940-UNV-STD-W
Description: 3500 LUMEN 2X4 PERCEIVE PT TROFFER WITH 4000K, 90 CRI LEDS AND RIPPLE LENS

Light Source:
Ballast/Driver: -

Summary

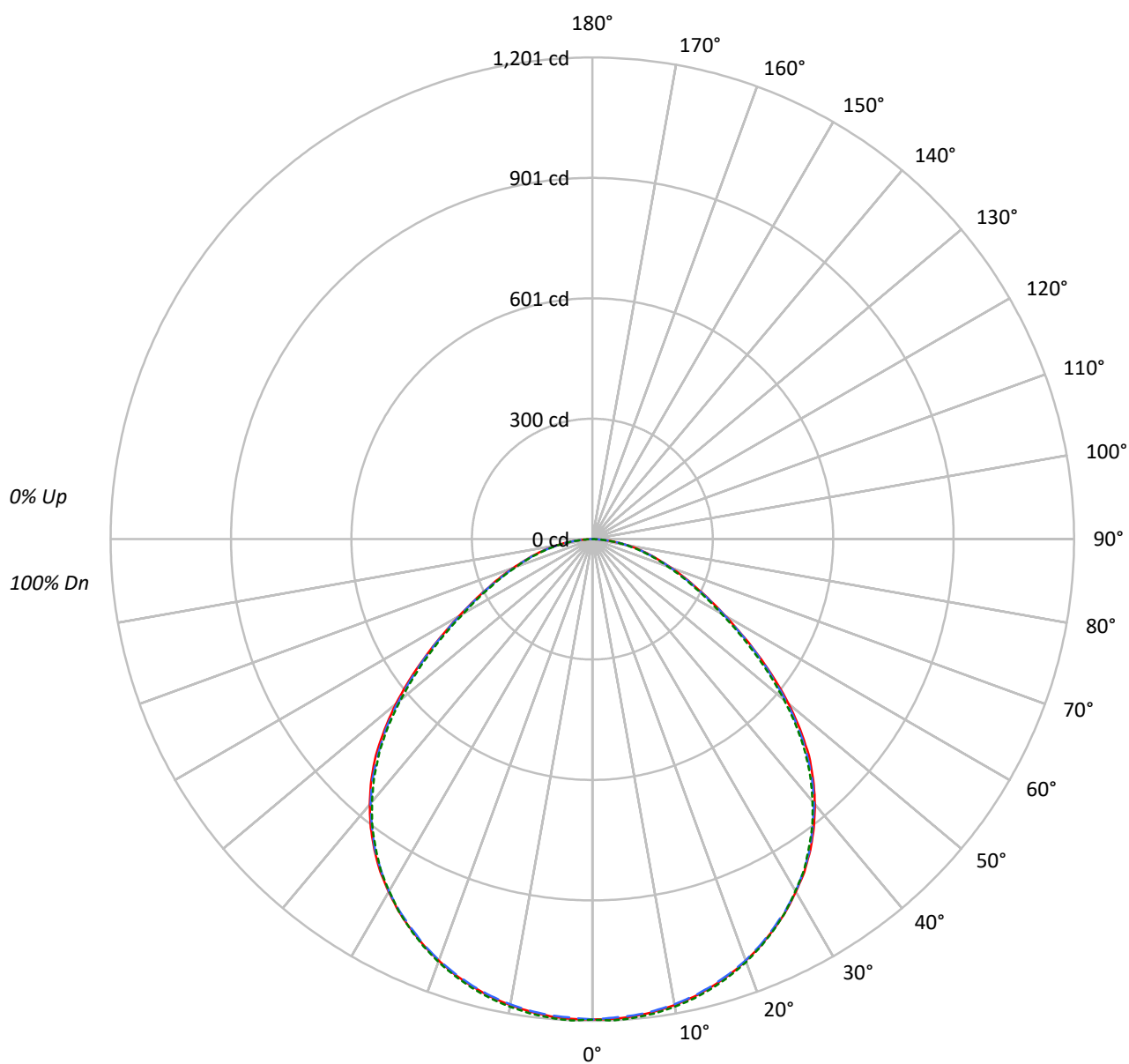
Lumens per Lamp: N/A
Luminaire Lumens: 3029.3 lumens
Efficiency: N/A
Efficacy: 108.2 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.26 / 1.34
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

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	100		
1	110	105	101	98	107	103	99	96	99	96	93	95	92	90	91	89	88	85		
2	100	93	86	81	98	91	85	80	87	82	78	84	80	76	81	78	75	73		
3	92	82	74	68	90	80	73	68	78	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	45	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	39	33	29	39	33	29	27		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1612	1612	1612
5°	1613	1610	1618
10°	1612	1609	1618
15°	1609	1606	1614
20°	1602	1600	1606
25°	1592	1588	1594
30°	1577	1576	1574
35°	1556	1552	1546
40°	1516	1511	1500
45°	1453	1437	1427
50°	1337	1322	1306
55°	1183	1178	1155
60°	1028	1025	997
65°	906	901	883
70°	822	811	794
75°	762	743	730
80°	695	685	662
85°	550	545	522

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 1453 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	113.6	3.8
10°-20°	326.1	10.8
20°-30°	494.1	16.3
30°-40°	589.8	19.5
40°-50°	580.0	19.1
50°-60°	448.3	14.8
60°-70°	282.7	9.3
70°-80°	152.9	5.0
80°-90°	41.8	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°	933.8	30.8
0°-40°	1523.6	50.3
0°-60°	2552.0	84.2
0°-90°	3029.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3029.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1198	1198	1198	1198	1198	
5°	1194	1195	1192	1197	1198	114
15°	1155	1155	1153	1157	1159	326
25°	1072	1073	1070	1073	1073	494
35°	947	948	945	944	941	591
45°	764	761	755	749	750	585
55°	504	509	502	494	492	453
65°	285	285	283	278	277	286
75°	146	145	143	144	140	156
85°	36	36	35	36	34	42
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1197.8	1197.8	1197.8	1197.8	1197.8
2.5°	1197.4	1197.8	1194.4	1200.0	1201.3
5°	1194.4	1194.9	1191.8	1196.9	1198.3
7.5°	1188.3	1189.3	1186.3	1191.4	1192.7
10°	1179.7	1180.7	1177.7	1182.9	1184.1
12.5°	1169.1	1169.4	1166.9	1171.6	1172.9
15°	1154.9	1155.2	1153.2	1157.0	1158.7
17.5°	1138.6	1139.0	1136.1	1140.7	1141.5
20°	1118.9	1119.2	1117.5	1121.4	1121.9
22.5°	1096.9	1097.8	1095.2	1098.6	1099.1
25°	1072.1	1072.9	1069.5	1072.9	1073.4
27.5°	1045.9	1046.2	1043.3	1045.9	1045.4
30°	1015.3	1018.0	1014.1	1013.1	1012.8
32.5°	983.7	984.0	980.2	979.3	981.0
35°	947.2	947.5	945.0	943.7	941.1
37.5°	907.2	907.2	902.4	901.6	901.1
40°	863.4	862.9	860.0	857.0	853.9
42.5°	815.7	816.6	810.5	805.4	804.6
45°	763.7	760.8	755.1	749.2	749.7
47.5°	702.4	703.2	695.6	690.7	689.5
50°	638.8	638.8	631.6	626.4	623.8
52.5°	572.3	572.8	565.9	559.1	557.7
55°	504.5	508.7	502.3	494.2	492.5
57.5°	441.0	444.4	438.3	429.7	429.3
60°	382.2	382.5	380.8	372.7	370.5
62.5°	331.9	329.8	328.8	324.6	322.0
65°	284.7	285.1	283.0	278.1	277.3
67.5°	246.5	246.0	242.1	239.1	237.4
70°	209.0	207.8	206.1	203.6	201.8
72.5°	175.6	175.6	174.2	173.5	170.5
75°	146.5	144.8	143.0	143.8	140.4
77.5°	118.6	116.8	115.4	113.7	112.9
80°	89.7	88.0	88.4	85.8	85.5
82.5°	62.2	62.2	61.5	59.3	59.7
85°	35.6	36.0	35.3	35.6	33.8
87.5°	12.9	13.3	14.2	13.3	13.3
90°	0.0	0.0	0.0	0.0	0.0



— 0°-180° - - 45°-225° 90°-270°

(END OF REPORT)