

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: P1050610

Luminaire Tested: 24PTR-35-PB1-L940-UNV-STD-W

Issue Date: 7/11/2025

Test Information

Test Method: LM-79-2019
Report Number: P1050610
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-35-PB1-L940-UNV-STD-W
Description: 3500 LUMEN 2X4 PERCEIVE PT TROFFER WITH 4000K, 90 CRI LEDS AND FROSTED LENS

Light Source:
Ballast/Driver: -

Summary

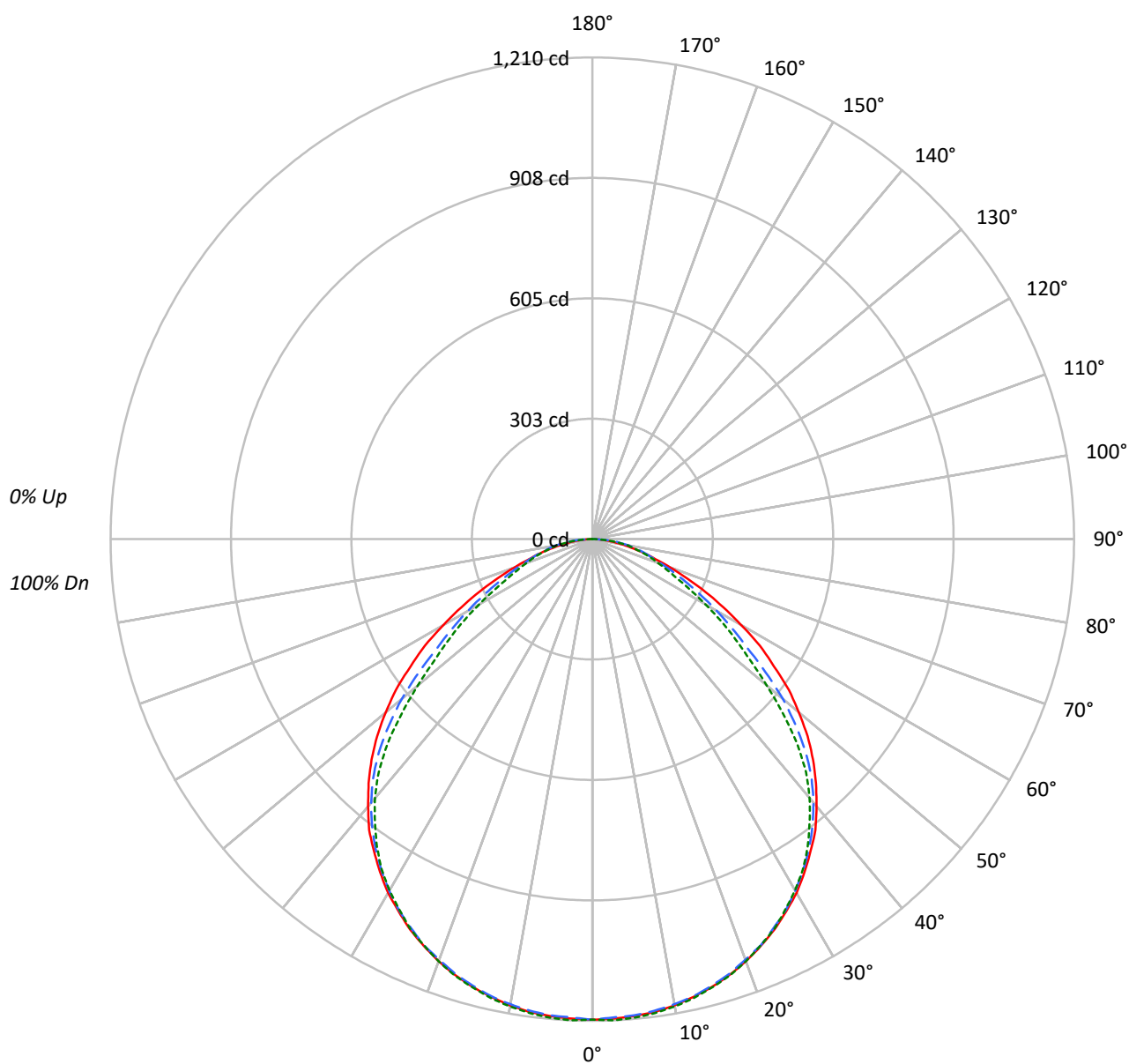
Lumens per Lamp: N/A
Luminaire Lumens: 3009.9 lumens
Efficiency: N/A
Efficacy: 107.5 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.25 / 1.34
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 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	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°	1624	1624	1624
5°	1624	1622	1630
10°	1625	1621	1629
15°	1622	1617	1623
20°	1616	1609	1616
25°	1607	1600	1605
30°	1594	1585	1582
35°	1570	1558	1549
40°	1539	1518	1492
45°	1492	1443	1384
50°	1417	1308	1196
55°	1306	1111	1031
60°	1163	971	883
65°	997	842	752
70°	823	742	689
75°	695	710	672
80°	587	724	691
85°	460	733	642

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 1492 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	114.5	3.8
10°-20°	328.4	10.9
20°-30°	497.5	16.5
30°-40°	592.8	19.7
40°-50°	579.7	19.3
50°-60°	438.5	14.6
60°-70°	269.4	8.9
70°-80°	143.5	4.8
80°-90°	45.8	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°	940.3	31.2
0°-40°	1533.1	50.9
0°-60°	2551.2	84.8
0°-90°	3009.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3009.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1207	1207	1207	1207	1207	
5°	1203	1204	1201	1206	1207	114
15°	1164	1166	1161	1166	1166	329
25°	1082	1081	1078	1079	1081	498
35°	956	955	949	944	943	598
45°	784	780	759	733	728	603
55°	557	529	474	447	439	499
65°	313	288	264	244	236	312
75°	134	135	136	132	129	143
85°	30	39	48	45	42	36
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1207.1	1207.1	1207.1	1207.1	1207.1
2.5°	1205.7	1207.1	1202.6	1208.6	1210.0
5°	1202.6	1204.1	1201.2	1205.7	1207.1
7.5°	1198.2	1198.2	1195.2	1199.6	1201.2
10°	1189.3	1189.3	1186.3	1190.7	1192.3
12.5°	1177.5	1177.5	1175.9	1178.9	1180.4
15°	1164.1	1165.5	1161.1	1165.5	1165.5
17.5°	1147.7	1146.3	1144.7	1147.7	1149.2
20°	1128.4	1128.4	1124.0	1127.0	1128.4
22.5°	1106.1	1106.1	1104.7	1106.1	1104.7
25°	1082.4	1080.8	1077.9	1079.4	1080.8
27.5°	1054.2	1054.2	1051.2	1051.2	1049.6
30°	1026.0	1024.4	1020.0	1017.1	1018.5
32.5°	991.8	990.3	985.9	982.9	984.3
35°	956.1	954.7	948.8	944.3	942.9
37.5°	920.6	916.1	908.6	902.7	896.7
40°	876.0	871.5	864.2	850.8	849.2
42.5°	831.4	827.1	815.1	798.8	794.3
45°	783.9	779.5	758.6	733.4	727.5
47.5°	733.4	726.1	693.3	662.1	650.3
50°	677.1	663.7	625.0	585.0	571.6
52.5°	622.1	598.4	547.9	512.2	498.9
55°	556.8	528.6	473.7	446.9	439.4
57.5°	498.9	460.3	415.7	389.1	383.1
60°	432.1	396.4	360.8	337.0	328.1
62.5°	371.1	340.0	310.3	289.5	279.2
65°	313.3	288.1	264.4	243.5	236.1
67.5°	256.9	243.5	224.1	207.9	203.4
70°	209.3	201.9	188.6	181.1	175.2
72.5°	166.3	169.3	160.4	157.4	152.9
75°	133.6	135.1	136.5	132.2	129.2
77.5°	101.0	108.3	114.3	111.3	108.3
80°	75.8	83.1	93.5	89.2	89.2
82.5°	51.9	60.9	69.8	66.9	65.3
85°	29.8	38.7	47.5	44.6	41.6
87.5°	11.8	19.3	20.7	20.7	19.3
90°	0.0	0.0	0.0	0.0	0.0



— 0°-180° - - 45°-225° 90°-270°

(END OF REPORT)