

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: P1050764

Luminaire Tested: 24PTR-35-PL1-L940-UNV-STD-W

Issue Date: 7/11/2025

Test Information

Test Method: LM-79-2019
Report Number: P1050764
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P737719)
Test Lab: INNOVATION CENTER
Issue Date: 7/11/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: 24PTR-35-PL1-L940-UNV-STD-W
Description: 3500 LUMEN 2X4 PERCEIVE PT TROFFER WITH 4000K, 90 CRI LEDS AND LEAVES LENS

Light Source:
Ballast/Driver: -

Summary

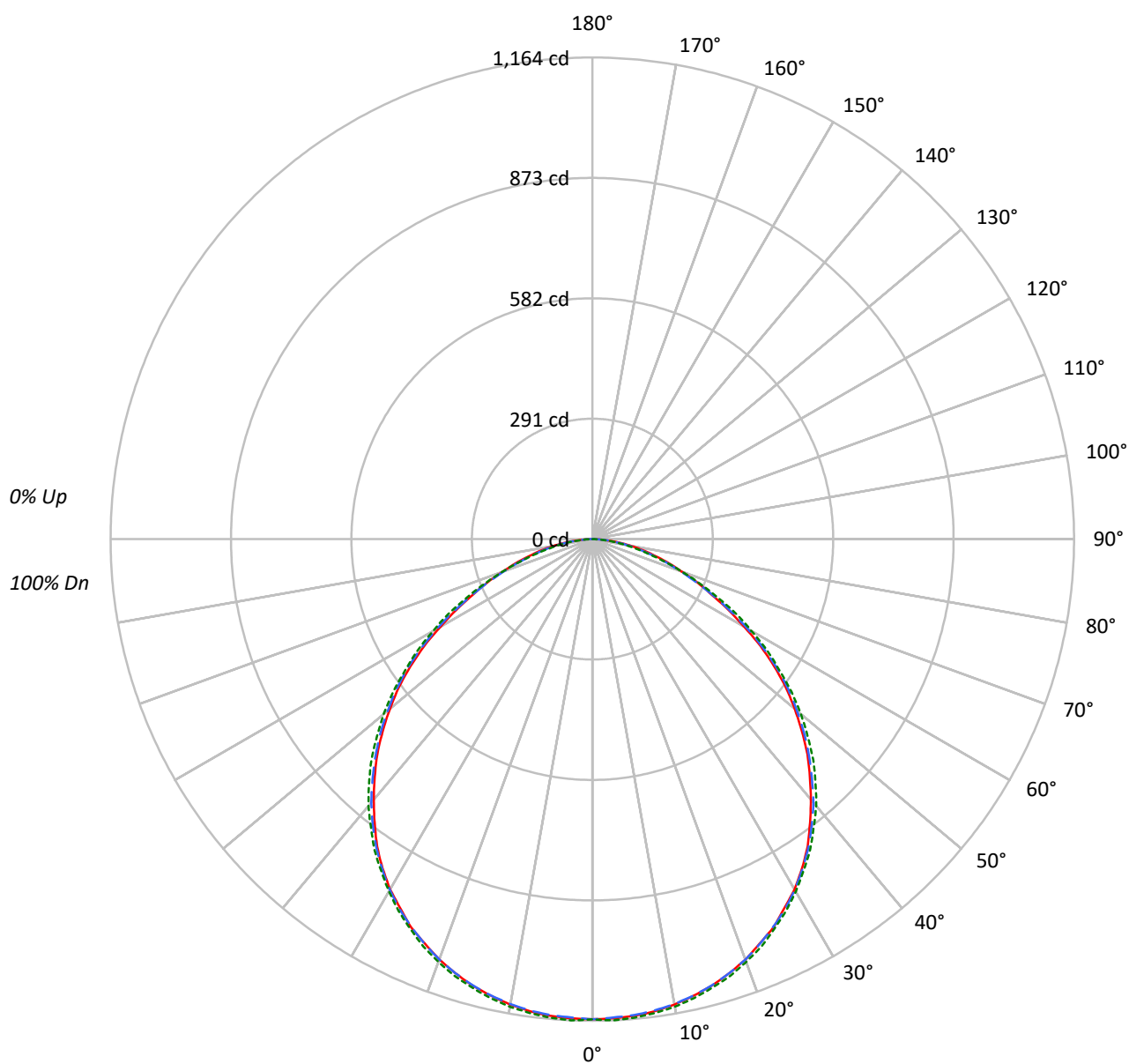
Lumens per Lamp: N/A
Luminaire Lumens: 3058.4 lumens
Efficiency: N/A
Efficacy: 109.2 lumens/watt
Spacing Criteria (0/90/45): 1.25 / 1.26 / 1.35
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

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	109	105	101	97	107	103	99	96	98	95	93	94	92	90	91	89	87	85		
2	100	92	86	80	97	90	84	79	87	82	77	83	79	75	80	77	74	72		
3	91	81	73	67	89	80	72	66	77	70	65	74	69	64	71	67	63	61		
4	84	72	64	57	82	71	63	57	68	61	56	66	60	55	64	59	55	52		
5	77	65	56	49	75	64	55	49	61	54	49	60	53	48	58	52	48	46		
6	71	58	50	43	69	57	49	43	56	48	43	54	47	42	52	47	42	40		
7	66	53	44	38	65	52	44	38	51	43	38	49	43	38	48	42	37	35		
8	62	48	40	34	60	48	40	34	46	39	34	45	39	34	44	38	34	32		
9	58	44	36	31	56	44	36	31	43	36	31	42	35	30	41	35	30	29		
10	54	41	33	28	53	41	33	28	40	33	28	39	32	28	38	32	28	26		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1561	1561	1561
5°	1562	1559	1568
10°	1560	1559	1567
15°	1556	1555	1563
20°	1548	1548	1557
25°	1537	1535	1544
30°	1518	1520	1527
35°	1489	1495	1507
40°	1443	1460	1478
45°	1398	1409	1436
50°	1336	1351	1378
55°	1259	1279	1294
60°	1142	1166	1195
65°	1014	1025	1066
70°	906	888	910
75°	818	770	755
80°	743	690	612
85°	630	571	492

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 1436 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	110.1	3.6
10°-20°	315.7	10.3
20°-30°	477.5	15.6
30°-40°	569.1	18.6
40°-50°	572.3	18.7
50°-60°	485.7	15.9
60°-70°	323.4	10.6
70°-80°	161.5	5.3
80°-90°	43.2	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°	903.2	29.5
0°-40°	1472.3	48.1
0°-60°	2530.3	82.7
0°-90°	3058.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3058.4	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1160	1160	1160	1160	1160	
5°	1157	1157	1155	1160	1161	110
15°	1117	1118	1116	1121	1122	315
25°	1036	1036	1034	1039	1040	476
35°	907	908	910	916	917	566
45°	735	736	741	750	755	565
55°	537	540	545	550	552	478
65°	318	321	322	327	335	319
75°	157	155	148	145	145	169
85°	41	40	37	35	32	47
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1160.3	1160.3	1160.3	1160.3	1160.3
2.5°	1159.3	1160.3	1157.1	1162.8	1164.2
5°	1156.8	1157.1	1154.6	1159.8	1161.0
7.5°	1151.2	1151.7	1149.0	1154.6	1155.4
10°	1142.1	1143.1	1140.9	1146.1	1147.3
12.5°	1130.6	1131.8	1129.7	1135.3	1136.2
15°	1116.8	1118.1	1116.4	1121.1	1122.0
17.5°	1100.0	1100.9	1100.0	1104.3	1106.8
20°	1081.1	1081.1	1081.1	1085.0	1087.2
22.5°	1057.5	1059.7	1058.7	1063.9	1066.1
25°	1035.6	1035.6	1034.2	1039.1	1039.8
27.5°	1005.0	1008.4	1008.1	1012.3	1013.3
30°	977.0	978.0	978.4	981.4	983.1
32.5°	943.1	943.9	945.3	949.6	950.0
35°	906.6	907.5	910.0	916.4	917.4
37.5°	864.1	868.8	871.0	877.9	878.6
40°	821.5	824.4	831.0	838.2	841.6
42.5°	778.0	781.5	785.4	795.2	798.3
45°	734.6	735.9	740.7	750.5	754.9
47.5°	686.5	690.4	694.6	703.2	705.9
50°	638.4	642.6	645.3	652.9	658.1
52.5°	589.8	593.7	596.7	601.4	606.5
55°	536.6	540.3	545.1	550.3	551.5
57.5°	482.4	486.6	489.7	495.2	500.8
60°	424.2	429.1	433.3	438.5	444.1
62.5°	370.2	372.2	376.6	385.2	393.3
65°	318.5	321.2	321.9	326.8	334.9
67.5°	275.5	275.5	271.6	273.4	282.4
70°	230.4	228.7	225.7	224.0	231.3
72.5°	193.8	191.7	185.3	182.3	186.2
75°	157.3	155.1	148.2	144.8	145.3
77.5°	126.4	122.9	117.3	111.4	110.1
80°	95.9	94.5	89.0	83.4	79.0
82.5°	67.9	65.0	61.9	58.4	55.0
85°	40.8	40.0	37.0	34.8	31.9
87.5°	16.7	16.7	15.9	15.0	14.2
90°	0.0	0.0	0.0	0.0	0.0



— 0°-180° - - 45°-225° 90°-270°

(END OF REPORT)