

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: P1050533

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

Issue Date: 7/11/2025

Test Information

Test Method: LM-79-2019
Report Number: P1050533
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2310-200-1)
Test Lab: INNOVATION CENTER
Issue Date: 7/11/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: 24PTR-35-L940-UNV-STD-W
Description: 3500 LUMEN 2X4 PERCEIVE PT TROFFER WITH 4000K, 90 CRI LEDS AND FROSTED LENS

Light Source:
Ballast/Driver: -

Summary

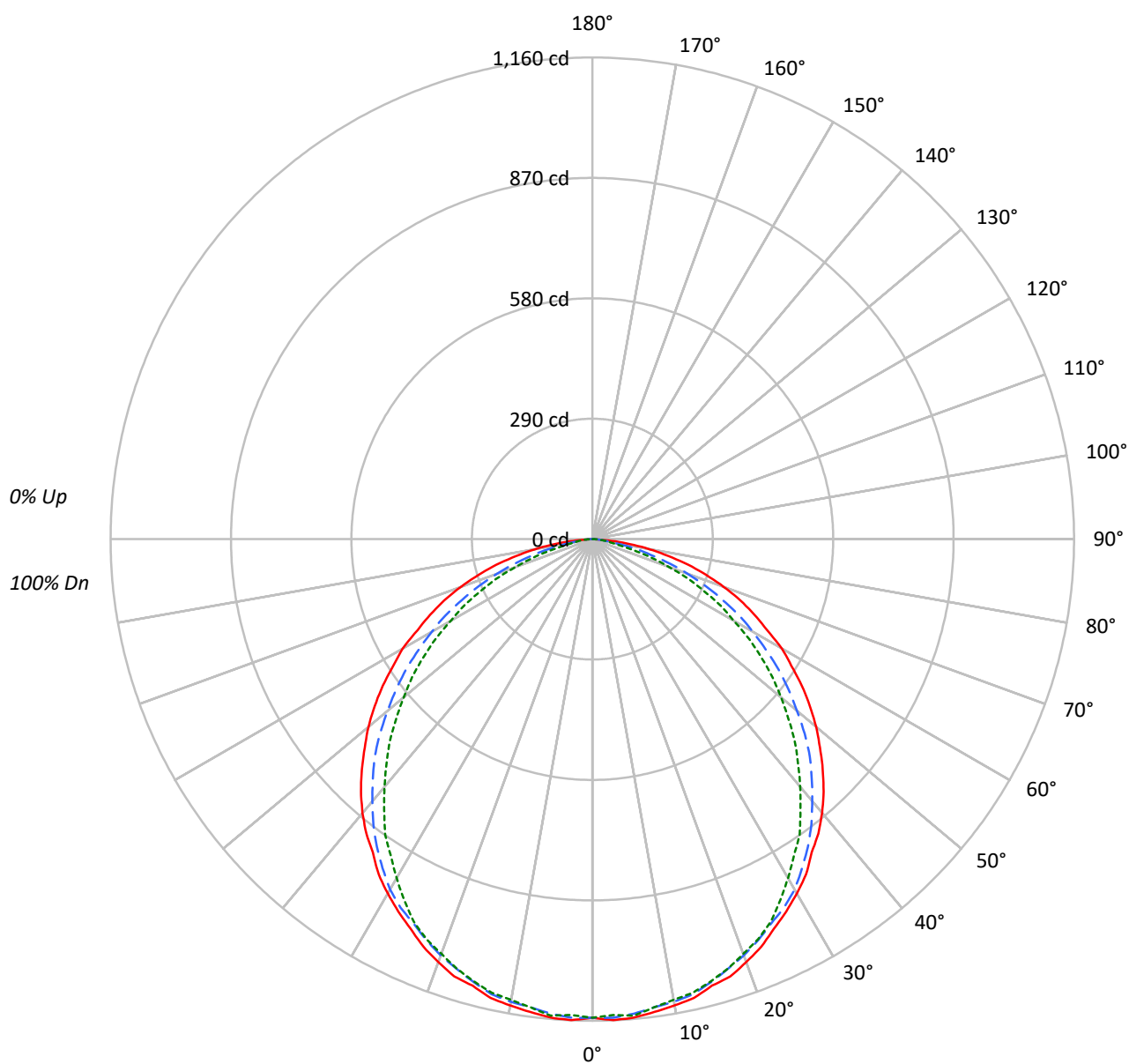
Lumens per Lamp: N/A
Luminaire Lumens: 3070.1 lumens
Efficiency: N/A
Efficacy: 109.6 lumens/watt
Spacing Criteria (0/90/45): 1.27 / 1.21 / 1.35
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

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	95	92	90	91	89	87	85		
2	100	92	85	80	97	90	84	79	87	81	77	83	79	75	80	77	74	72		
3	91	81	73	67	89	79	72	66	76	70	65	74	68	64	71	67	63	61		
4	84	72	63	57	81	71	63	56	68	61	56	66	60	55	64	58	54	52		
5	77	64	56	49	75	63	55	49	61	54	48	59	53	48	57	52	47	45		
6	71	58	49	43	69	57	49	43	55	48	42	54	47	42	52	46	42	40		
7	66	53	44	38	64	52	44	38	50	43	38	49	42	37	48	42	37	35		
8	61	48	40	34	60	47	39	34	46	39	34	45	38	33	44	38	33	31		
9	57	44	36	31	56	44	36	30	42	35	30	41	35	30	40	34	30	28		
10	54	41	33	28	53	40	33	28	39	32	28	38	32	27	37	32	27	26		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1551	1551	1551
5°	1562	1549	1556
10°	1558	1546	1539
15°	1551	1539	1536
20°	1552	1527	1522
25°	1537	1514	1509
30°	1530	1513	1464
35°	1513	1486	1429
40°	1512	1447	1367
45°	1493	1409	1313
50°	1473	1346	1241
55°	1445	1283	1166
60°	1419	1201	1058
65°	1370	1102	946
70°	1326	959	772
75°	1246	756	532
80°	1080	457	319
85°	721	329	307

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 1493 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	109.3	3.6
10°-20°	312.6	10.2
20°-30°	472.2	15.4
30°-40°	561.5	18.3
40°-50°	569.4	18.5
50°-60°	494.5	16.1
60°-70°	351.0	11.4
70°-80°	167.7	5.5
80°-90°	31.8	1.0
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°	894.1	29.1
0°-40°	1455.6	47.4
0°-60°	2519.5	82.1
0°-90°	3070.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3070.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1153	1153	1153	1153	1153	
5°	1157	1153	1147	1150	1152	110
15°	1114	1116	1104	1103	1102	315
25°	1035	1034	1020	1024	1017	478
35°	921	920	905	874	870	579
45°	785	778	741	702	690	605
55°	616	597	547	515	497	550
65°	430	398	346	309	297	426
75°	240	196	146	115	102	251
85°	47	25	21	21	20	59
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1152.6	1152.6	1152.6	1152.6	1152.6
2.5°	1159.5	1155.3	1154.0	1158.8	1147.1
5°	1156.7	1152.6	1147.1	1149.8	1151.9
7.5°	1148.5	1145.0	1137.5	1143.7	1137.5
10°	1140.2	1136.8	1131.3	1133.4	1126.5
12.5°	1132.0	1123.8	1122.4	1123.8	1118.9
15°	1113.5	1116.2	1104.5	1103.2	1102.5
17.5°	1104.5	1097.7	1085.3	1086.0	1084.6
20°	1083.9	1075.7	1066.8	1065.4	1062.7
22.5°	1062.7	1053.0	1044.8	1048.9	1042.8
25°	1035.2	1033.8	1020.1	1024.2	1016.7
27.5°	1011.2	1006.4	1000.2	991.3	980.3
30°	985.1	980.3	974.1	950.8	942.5
32.5°	957.6	952.1	939.8	912.3	903.4
35°	921.2	919.9	904.8	873.9	869.8
37.5°	893.8	878.7	866.3	834.7	823.1
40°	860.8	852.6	823.8	793.6	778.5
42.5°	824.5	814.8	781.9	749.6	733.2
45°	784.6	777.8	740.7	701.6	689.9
47.5°	743.4	737.3	693.3	655.6	640.5
50°	703.6	696.1	643.2	606.8	593.1
52.5°	660.4	648.0	595.9	560.2	547.1
55°	615.8	597.2	547.1	514.9	497.0
57.5°	568.4	551.2	495.6	462.0	447.6
60°	527.2	503.2	446.2	411.9	393.3
62.5°	474.4	453.8	399.5	359.0	350.1
65°	430.4	398.2	346.0	308.9	297.2
67.5°	385.8	348.0	295.2	257.4	251.2
70°	337.1	297.9	243.7	206.6	196.3
72.5°	287.6	249.2	196.3	157.2	151.0
75°	239.6	195.6	145.5	115.3	102.3
77.5°	187.4	147.6	102.3	70.7	62.5
80°	139.4	99.5	59.0	41.9	41.2
82.5°	91.3	57.7	31.6	32.3	30.9
85°	46.7	24.7	21.3	20.6	19.9
87.5°	8.9	9.6	10.3	10.3	10.3
90°	0.0	0.0	0.0	0.0	0.0



— 0°-180° - - 45°-225° 90°-270°

(END OF REPORT)