

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: P1050400

Luminaire Tested: PTR-14-40-PR1-L935-UNV-STD-W

Issue Date: 7/11/2025

Test Information

Test Method: LM-79-2019
Report Number: P1050400
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: PTR-14-40-PR1-L935-UNV-STD-W
Description: 8000 LUMEN 1X4 PERCEIVE PT TROFFER WITH 3500K, 90 CRI LEDS AND RIPPLE LENS

Light Source:
Ballast/Driver: -

Summary

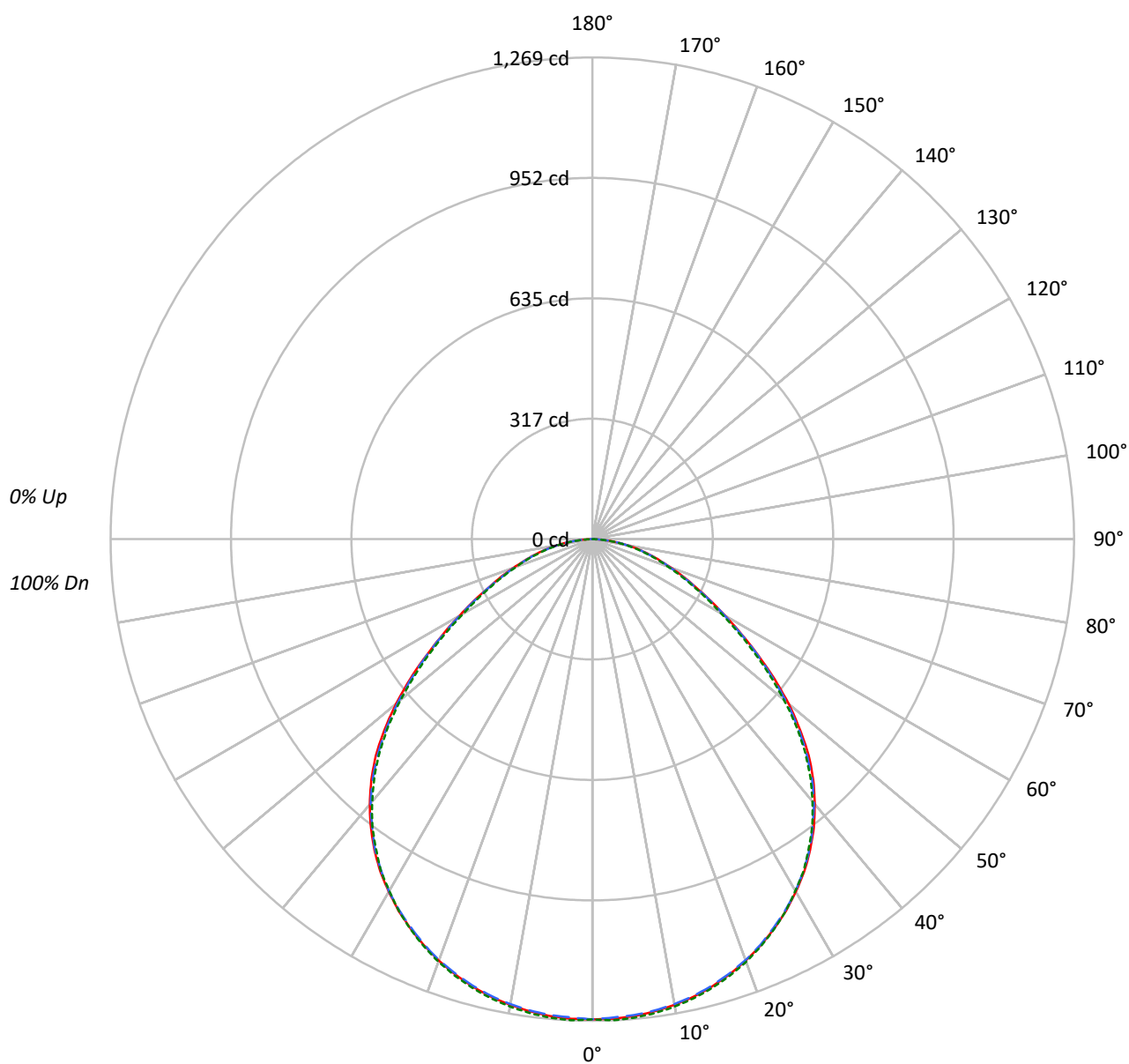
Lumens per Lamp: N/A
Luminaire Lumens: 3199.6 lumens
Efficiency: N/A
Efficacy: 99.7 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.26 / 1.34
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 32.1
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°	3404	3404	3404
5°	3408	3400	3419
10°	3405	3399	3417
15°	3398	3393	3409
20°	3384	3380	3393
25°	3362	3354	3366
30°	3332	3328	3324
35°	3286	3279	3265
40°	3203	3191	3168
45°	3070	3035	3013
50°	2825	2793	2758
55°	2500	2489	2440
60°	2172	2165	2106
65°	1915	1903	1865
70°	1737	1712	1677
75°	1608	1571	1542
80°	1468	1447	1399
85°	1161	1149	1105

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 3070 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	120.0	3.8
10°-20°	344.5	10.8
20°-30°	521.8	16.3
30°-40°	623.0	19.5
40°-50°	612.6	19.1
50°-60°	473.5	14.8
60°-70°	298.6	9.3
70°-80°	161.5	5.0
80°-90°	44.1	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°	986.3	30.8
0°-40°	1609.2	50.3
0°-60°	2695.4	84.2
0°-90°	3199.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3199.6	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1265	1265	1265	1265	1265	
5°	1262	1262	1259	1264	1266	120
15°	1220	1220	1218	1222	1224	344
25°	1132	1133	1130	1133	1134	522
35°	1000	1001	998	997	994	625
45°	807	804	798	791	792	618
55°	533	537	530	522	520	478
65°	301	301	299	294	293	303
75°	155	153	151	152	148	164
85°	38	38	37	38	36	45
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1265.1	1265.1	1265.1	1265.1	1265.1
2.5°	1264.7	1265.1	1261.5	1267.5	1268.8
5°	1261.5	1262.0	1258.7	1264.2	1265.6
7.5°	1255.1	1256.1	1253.0	1258.4	1259.7
10°	1246.0	1247.0	1243.9	1249.3	1250.6
12.5°	1234.8	1235.2	1232.5	1237.5	1238.8
15°	1219.8	1220.2	1218.0	1222.0	1223.8
17.5°	1202.5	1203.0	1199.9	1204.8	1205.7
20°	1181.8	1182.1	1180.3	1184.4	1184.9
22.5°	1158.5	1159.5	1156.7	1160.4	1160.9
25°	1132.4	1133.2	1129.6	1133.2	1133.7
27.5°	1104.7	1105.0	1101.9	1104.7	1104.2
30°	1072.4	1075.2	1071.1	1070.1	1069.7
32.5°	1038.9	1039.3	1035.3	1034.3	1036.1
35°	1000.4	1000.7	998.1	996.8	994.0
37.5°	958.2	958.2	953.1	952.3	951.8
40°	911.9	911.4	908.3	905.2	901.9
42.5°	861.5	862.5	856.1	850.6	849.8
45°	806.6	803.5	797.6	791.3	791.8
47.5°	741.9	742.7	734.6	729.5	728.2
50°	674.7	674.7	667.1	661.7	658.9
52.5°	604.5	605.0	597.7	590.5	589.0
55°	532.8	537.3	530.5	521.9	520.1
57.5°	465.8	469.4	463.0	453.9	453.4
60°	403.6	404.0	402.2	393.6	391.3
62.5°	350.6	348.3	347.3	342.9	340.1
65°	300.7	301.2	298.9	293.8	292.9
67.5°	260.3	259.8	255.7	252.6	250.8
70°	220.8	219.5	217.6	215.0	213.2
72.5°	185.5	185.5	184.0	183.2	180.1
75°	154.7	152.9	151.1	151.9	148.3
77.5°	125.2	123.4	121.9	120.1	119.3
80°	94.7	92.9	93.4	90.6	90.3
82.5°	65.7	65.7	64.9	62.6	63.1
85°	37.6	38.1	37.2	37.6	35.8
87.5°	13.7	14.0	15.0	14.0	14.0
90°	0.0	0.0	0.0	0.0	0.0



— 0°-180° - - 45°-225° 90°-270°

(END OF REPORT)