

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: P1050254

Luminaire Tested: PTR-14-40-PL1-L940-UNV-STD-W

Issue Date: 7/11/2025

Test Information

Test Method: LM-79-2019
Report Number: P1050254
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: PTR-14-40-PL1-L940-UNV-STD-W
Description: 8000 LUMEN 1X4 PERCEIVE PT TROFFER WITH 4000K, 90 CRI LEDS AND LEAVES LENS

Light Source:
Ballast/Driver: -

Summary

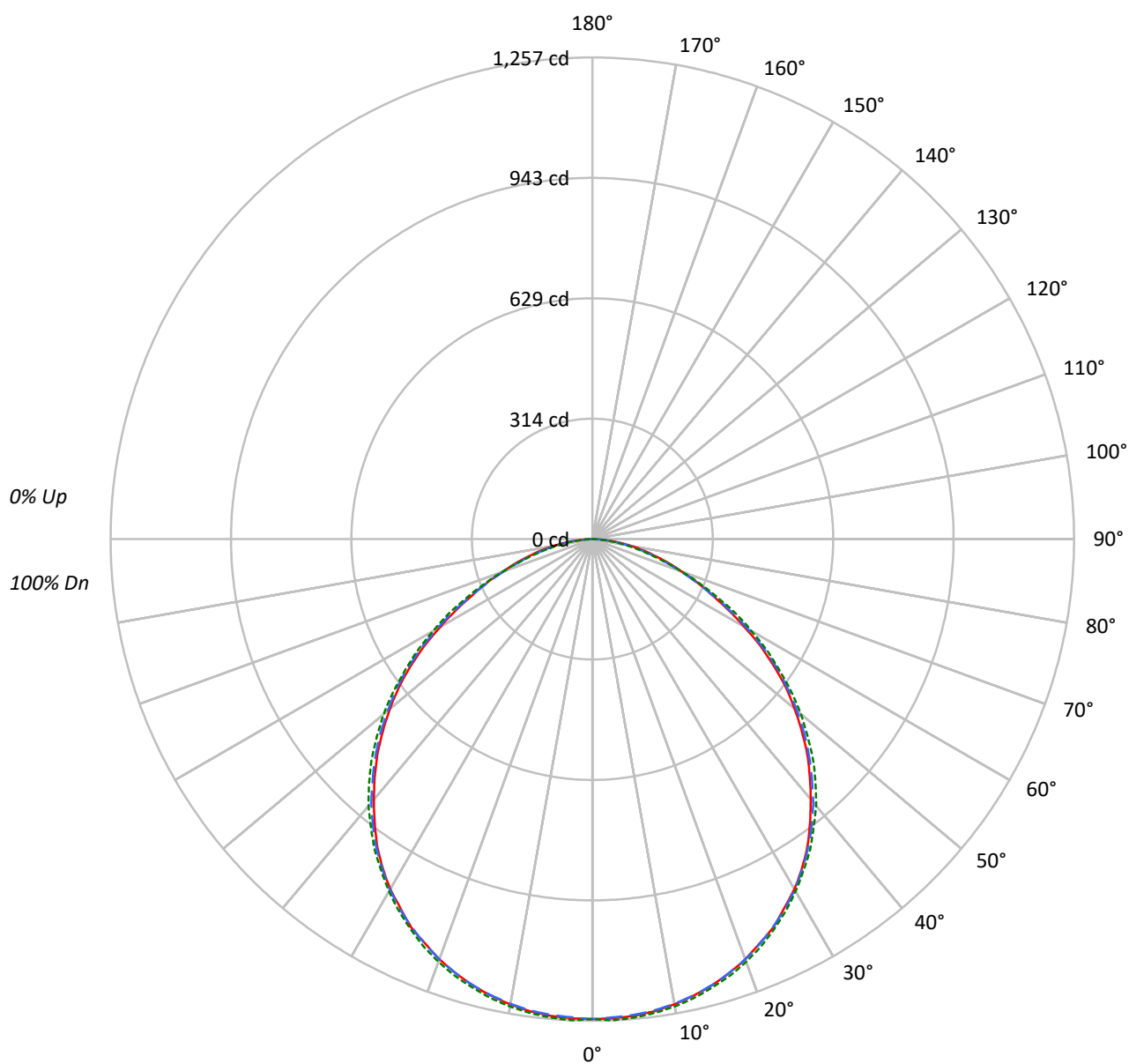
Lumens per Lamp: N/A
Luminaire Lumens: 3301.5 lumens
Efficiency: N/A
Efficacy: 102.9 lumens/watt
Spacing Criteria (0/90/45): 1.25 / 1.26 / 1.35
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

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	102	102	100
1	109	105	101	97	107	103	99	96	98	95	93	94	92	90	91	89	87	87	87	85
2	100	92	86	80	97	90	84	79	87	82	77	83	79	75	80	77	74	74	74	72
3	91	81	73	67	89	80	72	66	77	70	65	74	69	64	71	67	63	63	63	61
4	84	72	64	57	82	71	63	57	68	61	56	66	60	55	64	59	55	55	55	52
5	77	65	56	49	75	64	55	49	61	54	49	60	53	48	58	52	48	48	48	46
6	71	58	50	43	69	57	49	43	56	48	43	54	47	42	52	47	42	42	42	40
7	66	53	44	38	65	52	44	38	51	43	38	49	43	38	48	42	37	37	37	35
8	62	48	40	34	60	48	40	34	46	39	34	45	39	34	44	38	34	34	34	32
9	58	44	36	31	56	44	36	31	43	36	31	42	35	30	41	35	30	30	30	29
10	54	41	33	28	53	41	33	28	40	33	28	39	32	28	38	32	28	28	28	26

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	3370	3370	3370
5°	3373	3367	3385
10°	3369	3365	3384
15°	3359	3357	3374
20°	3342	3342	3361
25°	3319	3315	3333
30°	3277	3282	3298
35°	3215	3227	3253
40°	3115	3151	3191
45°	3018	3043	3101
50°	2885	2916	2974
55°	2717	2761	2793
60°	2465	2518	2580
65°	2189	2213	2302
70°	1957	1917	1965
75°	1765	1664	1630
80°	1604	1489	1322
85°	1359	1235	1062

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 3101 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	118.8	3.6
10°-20°	340.8	10.3
20°-30°	515.4	15.6
30°-40°	614.4	18.6
40°-50°	617.8	18.7
50°-60°	524.3	15.9
60°-70°	349.1	10.6
70°-80°	174.3	5.3
80°-90°	46.6	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°	975.0	29.5
0°-40°	1589.4	48.1
0°-60°	2731.5	82.7
0°-90°	3301.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3301.5	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1252	1252	1252	1252	1252	
5°	1249	1249	1246	1252	1253	119
15°	1206	1207	1205	1210	1211	340
25°	1118	1118	1116	1122	1122	514
35°	979	980	982	989	990	610
45°	793	794	800	810	815	610
55°	579	583	588	594	595	516
65°	344	347	348	353	362	345
75°	170	167	160	156	157	182
85°	44	43	40	38	34	51
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1252.5	1252.5	1252.5	1252.5	1252.5
2.5°	1251.5	1252.5	1249.1	1255.2	1256.7
5°	1248.8	1249.1	1246.4	1252.0	1253.3
7.5°	1242.7	1243.2	1240.4	1246.4	1247.3
10°	1232.9	1234.0	1231.6	1237.2	1238.5
12.5°	1220.5	1221.8	1219.5	1225.5	1226.5
15°	1205.6	1207.0	1205.1	1210.2	1211.2
17.5°	1187.4	1188.4	1187.4	1192.1	1194.8
20°	1167.0	1167.0	1167.0	1171.2	1173.6
22.5°	1141.6	1143.9	1142.9	1148.5	1150.8
25°	1117.9	1117.9	1116.4	1121.7	1122.5
27.5°	1084.9	1088.6	1088.3	1092.8	1093.8
30°	1054.7	1055.7	1056.2	1059.4	1061.3
32.5°	1018.1	1019.0	1020.5	1025.0	1025.5
35°	978.7	979.7	982.4	989.3	990.3
37.5°	932.8	937.9	940.2	947.6	948.5
40°	886.8	890.0	897.1	904.8	908.5
42.5°	839.9	843.6	847.8	858.4	861.8
45°	793.0	794.4	799.6	810.2	814.9
47.5°	741.1	745.3	749.9	759.1	762.0
50°	689.1	693.7	696.6	704.8	710.4
52.5°	636.7	640.9	644.1	649.2	654.7
55°	579.2	583.3	588.5	594.0	595.4
57.5°	520.7	525.2	528.6	534.5	540.6
60°	458.0	463.2	467.8	473.3	479.4
62.5°	399.6	401.8	406.5	415.8	424.6
65°	343.8	346.7	347.5	352.8	361.5
67.5°	297.4	297.4	293.2	295.1	304.9
70°	248.7	246.9	243.7	241.8	249.7
72.5°	209.3	206.9	200.0	196.8	201.0
75°	169.8	167.4	160.0	156.3	156.8
77.5°	136.4	132.7	126.6	120.2	118.9
80°	103.5	102.0	96.1	90.0	85.3
82.5°	73.3	70.1	66.8	63.1	59.4
85°	44.0	43.2	40.0	37.6	34.4
87.5°	18.0	18.0	17.2	16.2	15.3
90°	0.0	0.0	0.0	0.0	0.0



— 0°-180° - - 45°-225° 90°-270°

(END OF REPORT)