

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: P1050352

Luminaire Tested: PTR-14-40-PP3-L940-UNV-STD-W

Issue Date: 7/11/2025

Test Information

Test Method: LM-79-2019
Report Number: P1050352
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P737727)
Test Lab: INNOVATION CENTER
Issue Date: 7/11/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: PTR-14-40-PP3-L940-UNV-STD-W
Description: 8000 LUMEN 1X4 PERCEIVE PT TROFFER WITH 4000K, 90 CRI LEDS AND PRISM LENS

Light Source:
Ballast/Driver: -

Summary

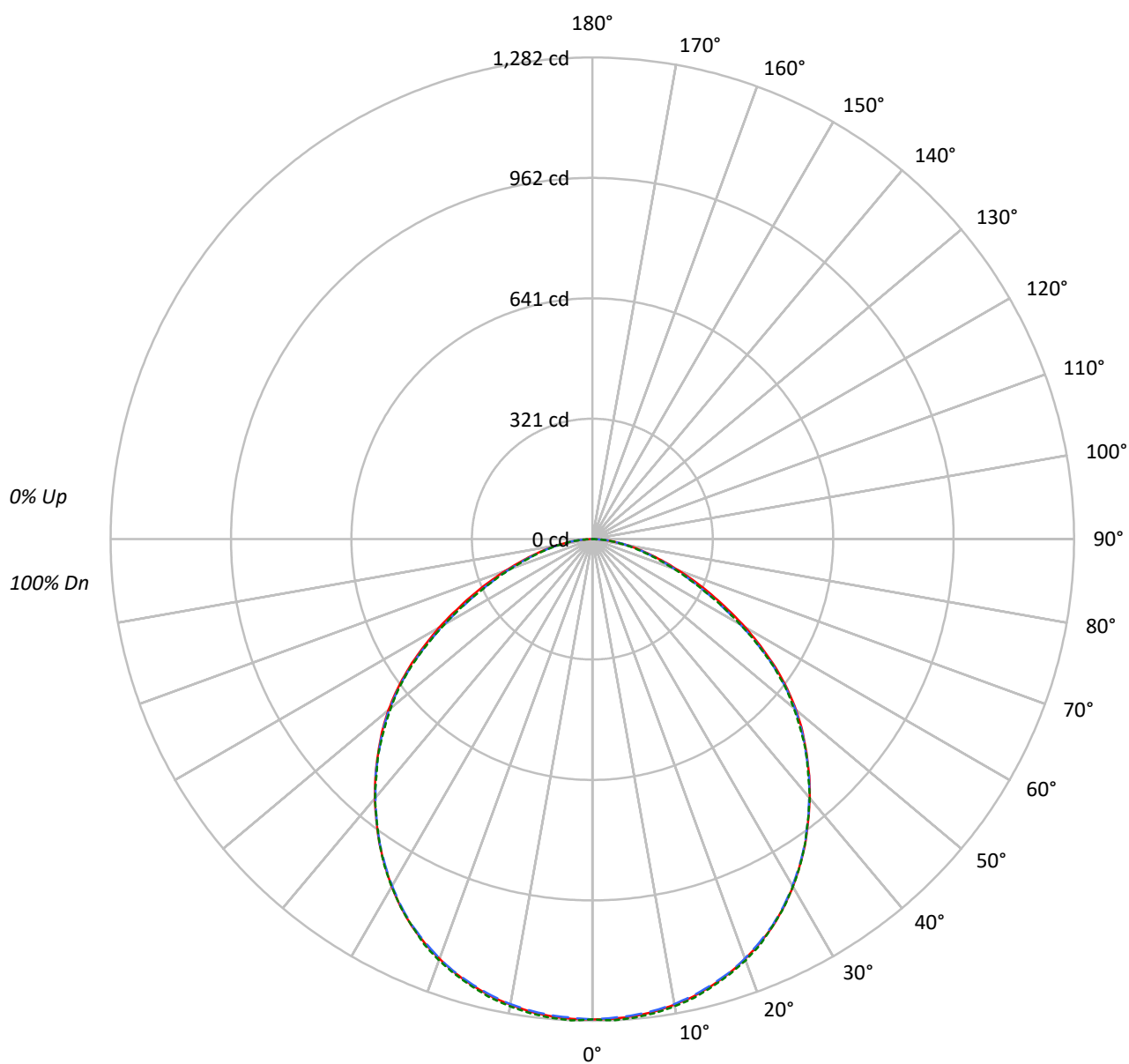
Lumens per Lamp: N/A
Luminaire Lumens: 3303.2 lumens
Efficiency: N/A
Efficacy: 102.9 lumens/watt
Spacing Criteria (0/90/45): 1.24 / 1.24 / 1.34
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

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

TEST NUMBER: P1050352

CATALOG NUMBER: PTR-14-40-PP3-L940-UNV-STD-W

Luminous Intensity Polar Plot



TEST NUMBER: P1050352

CATALOG NUMBER: PTR-14-40-PP3-L940-UNV-STD-W

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	99	96	93	95	92	90	91	89	87	87	87	85
2	100	92	86	80	97	90	84	79	87	82	78	84	79	76	81	77	74	74	74	72
3	92	81	74	67	89	80	73	67	77	71	66	74	69	65	72	67	63	63	63	61
4	84	73	64	58	82	71	63	57	69	62	56	66	60	56	64	59	55	55	55	53
5	77	65	56	50	75	64	56	50	62	55	49	60	54	49	58	52	48	48	48	46
6	72	59	50	44	70	58	50	44	56	49	43	54	48	43	53	47	42	42	42	40
7	66	53	45	39	65	52	44	39	51	44	38	50	43	38	48	42	38	38	38	36
8	62	49	40	35	60	48	40	35	47	39	34	45	39	34	44	38	34	34	34	32
9	58	45	37	31	57	44	36	31	43	36	31	42	35	31	41	35	31	31	31	29
10	54	41	34	28	53	41	33	28	40	33	28	39	33	28	38	32	28	28	28	26

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	3440	3440	3440
5°	3443	3436	3454
10°	3439	3433	3450
15°	3427	3421	3436
20°	3405	3402	3416
25°	3374	3369	3373
30°	3318	3311	3318
35°	3245	3241	3244
40°	3162	3152	3160
45°	3067	3058	3062
50°	2965	2951	2930
55°	2791	2759	2750
60°	2533	2448	2452
65°	2225	2113	2110
70°	1924	1836	1815
75°	1664	1602	1567
80°	1474	1454	1387
85°	1220	1260	1186

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°

Vertical Angle: 45°

Luminance: 3078 cd/sqm

TEST NUMBER: P1050352

CATALOG NUMBER: PTR-14-40-PP3-L940-UNV-STD-W

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	121.2	3.7
10°-20°	347.3	10.5
20°-30°	522.9	15.8
30°-40°	617.2	18.7
40°-50°	620.7	18.8
50°-60°	524.0	15.9
60°-70°	336.5	10.2
70°-80°	167.4	5.1
80°-90°	45.9	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°	991.5	30.0
0°-40°	1608.7	48.7
0°-60°	2753.4	83.4
0°-90°	3303.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3303.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1278	1278	1278	1278	1278	
5°	1275	1275	1272	1278	1279	121
15°	1230	1231	1228	1233	1233	347
25°	1136	1137	1135	1137	1136	523
35°	988	988	987	987	987	617
45°	806	809	804	805	805	622
55°	595	594	588	586	586	529
65°	349	344	332	328	331	348
75°	160	159	154	153	151	173
85°	40	41	41	38	38	46
90°	0	0	0	0	0	

TEST NUMBER: P1050352

CATALOG NUMBER: PTR-14-40-PP3-L940-UNV-STD-W

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1278.5	1278.5	1278.5	1278.5	1278.5
2.5°	1277.9	1278.5	1275.1	1281.2	1282.2
5°	1274.7	1275.1	1271.9	1277.9	1278.8
7.5°	1268.2	1268.7	1265.8	1271.4	1272.4
10°	1258.4	1259.9	1256.5	1261.8	1262.6
12.5°	1246.4	1246.9	1243.6	1249.6	1250.6
15°	1230.2	1230.6	1227.9	1233.4	1233.4
17.5°	1211.5	1212.0	1210.2	1214.9	1214.4
20°	1188.9	1190.3	1187.9	1191.1	1193.0
22.5°	1164.3	1164.8	1161.9	1166.2	1168.0
25°	1136.5	1136.8	1134.6	1136.8	1136.0
27.5°	1103.9	1104.8	1101.6	1103.9	1104.4
30°	1067.7	1070.0	1065.5	1067.3	1067.7
32.5°	1028.7	1030.1	1026.9	1027.4	1029.7
35°	987.9	988.4	986.6	987.4	987.4
37.5°	943.9	945.8	942.9	944.3	942.4
40°	900.2	898.4	897.4	898.4	899.7
42.5°	854.2	854.7	853.4	852.4	850.2
45°	806.0	808.9	803.6	804.6	804.6
47.5°	758.8	759.1	756.4	753.6	751.7
50°	708.2	708.2	704.8	702.6	699.8
52.5°	652.9	652.0	648.3	646.0	647.3
55°	594.9	594.4	588.0	585.6	586.1
57.5°	531.3	532.3	522.5	520.2	520.2
60°	470.6	465.9	454.8	451.6	455.6
62.5°	406.9	401.3	389.3	389.3	392.5
65°	349.4	344.3	331.8	328.5	331.3
67.5°	295.6	290.9	279.4	277.5	278.4
70°	244.5	240.4	233.4	229.2	230.7
72.5°	200.5	196.8	192.1	188.9	187.0
75°	160.0	159.2	154.1	152.6	150.7
77.5°	126.6	126.3	122.1	120.2	118.4
80°	95.1	94.6	93.8	90.9	89.5
82.5°	67.8	67.8	67.3	64.9	63.6
85°	39.5	40.8	40.8	38.4	38.4
87.5°	15.9	16.7	15.9	15.9	15.3
90°	0.0	0.0	0.0	0.0	0.0



— 0°-180° - - 45°-225° 90°-270°

(END OF REPORT)