

Scaled data based on original data using  
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-State  
Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

(formerly Eaton)

Brand: CORELITE

Report Number: P412675

Luminaire Tested: **14PD-50-PP3-L940**

Issue Date: 9/15/2020

**Test Information**

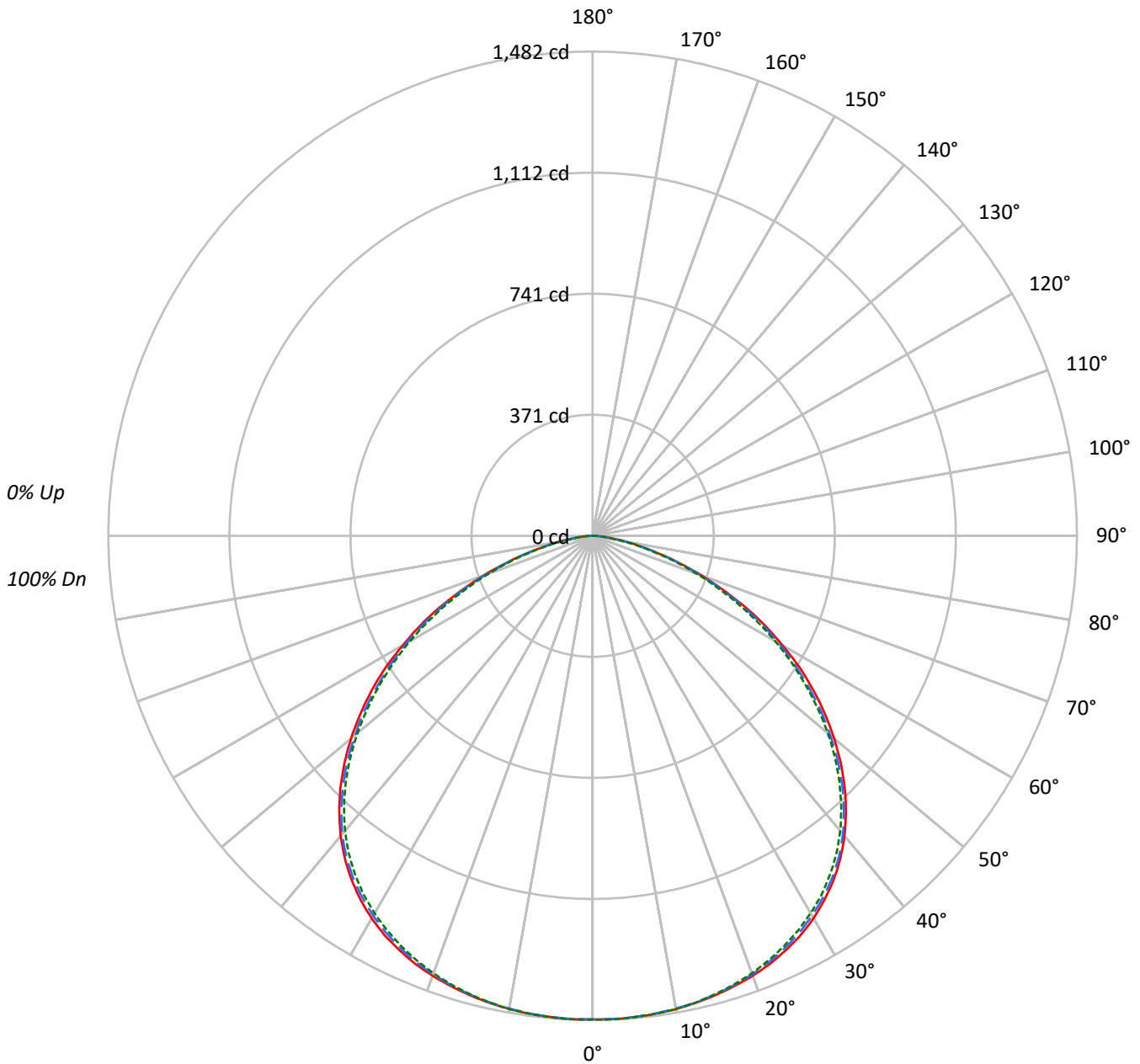
Test Method: LM-79-08  
Report Number: P412675  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2008-911-47)  
Test Lab: INNOVATION CENTER  
Issue Date: 9/15/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: 14PD-50-PP3-L940  
Description: 5000 LUMEN 1X4 PERCEIVE LED TROFFER WITH PRISM PATTERN OPTICS AND 90 CRI, 4000 CCT LEDS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4308.0 lumens  
Efficiency: N/A  
Efficacy: 88.6 lumens/watt  
Spacing Criteria (0/90/45): 1.35 / 1.33 / 1.43  
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')  
CIE Type: Direct  
  
Input Watts (W): 48.6  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT

TEST NUMBER: P412675  
CATALOG NUMBER: 14PD-50-PP3-L940

### Luminous Intensity Polar Plot





TEST NUMBER: P412675

CATALOG NUMBER: 14PD-50-PP3-L940

**COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:**

RF	20									20									20									20									
RC	80									50									30									10									0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0																
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	86	81	77	83	79	75	80	77	74	71																			
3	91	81	73	66	89	79	72	66	76	70	65	73	68	64	71	66	63	60																			
4	83	72	63	56	81	70	62	56	68	61	55	65	59	54	63	58	54	52																			
5	77	64	55	49	75	63	54	48	61	53	48	59	52	47	57	51	47	45																			
6	71	58	49	42	69	57	48	42	55	47	42	53	46	41	52	46	41	39																			
7	66	52	43	37	64	51	43	37	50	42	37	48	42	37	47	41	36	34																			
8	61	47	39	33	59	47	39	33	45	38	33	44	38	33	43	37	32	31																			
9	57	44	35	30	55	43	35	30	42	35	30	41	34	29	40	34	29	27																			
10	53	40	32	27	52	40	32	27	39	32	27	38	31	27	37	31	27	25																			

**AVERAGE LUMINANCE (cd/sqm):**

	0°	45°	90°
0°	3984	3984	3984
5°	3995	3994	3996
10°	4020	4015	4018
15°	4055	4049	4047
20°	4104	4090	4081
25°	4156	4134	4115
30°	4202	4172	4146
35°	4224	4199	4161
40°	4213	4188	4141
45°	4153	4112	4066
50°	4039	3974	3933
55°	3872	3779	3731
60°	3608	3545	3473
65°	3270	3205	3111
70°	2791	2740	2652
75°	2180	2157	2054
80°	1609	1540	1455
85°	969	969	905



TEST NUMBER: P412675

CATALOG NUMBER: 14PD-50-PP3-L940

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	140.9	3.3
10°-20°	411.0	9.5
20°-30°	642.5	14.9
30°-40°	798.4	18.5
40°-50°	831.9	19.3
50°-60°	721.9	16.8
60°-70°	496.4	11.5
70°-80°	224.0	5.2
80°-90°	41.0	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°	1194.3	27.7
0°-40°	1992.8	46.3
0°-60°	3546.6	82.3
0°-90°	4308.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4308.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1480	1480	1480	1480	1480	
5°	1479	1479	1478	1477	1479	141
15°	1456	1456	1453	1452	1453	412
25°	1400	1399	1392	1387	1386	646
35°	1286	1286	1278	1271	1267	804
45°	1091	1092	1081	1072	1068	840
55°	825	821	806	796	795	735
65°	514	511	503	491	489	507
75°	210	210	208	202	198	228
85°	31	31	31	31	29	42
90°	0	0	0	0	0	



TEST NUMBER: P412675

CATALOG NUMBER: 14PD-50-PP3-L940

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1480.5	1480.5	1480.5	1480.5	1480.5
2.5°	1481.0	1481.0	1480.1	1478.8	1481.8
5°	1478.8	1479.2	1478.4	1477.1	1479.2
7.5°	1475.8	1476.2	1474.9	1473.6	1475.4
10°	1471.1	1470.6	1469.3	1468.5	1470.6
12.5°	1464.2	1463.7	1462.5	1461.6	1463.3
15°	1455.6	1455.6	1453.4	1452.1	1452.6
17.5°	1445.2	1445.2	1442.2	1439.2	1440.1
20°	1433.2	1432.7	1428.4	1425.4	1425.0
22.5°	1418.1	1418.1	1412.1	1408.2	1406.9
25°	1399.6	1399.2	1392.3	1386.7	1385.8
27.5°	1378.5	1377.6	1369.5	1363.9	1361.7
30°	1352.2	1351.4	1342.8	1336.7	1334.2
32.5°	1321.2	1322.5	1312.6	1305.7	1303.2
35°	1285.9	1285.9	1278.2	1270.9	1266.6
37.5°	1245.5	1245.5	1238.2	1230.8	1225.7
40°	1199.4	1199.8	1192.1	1183.0	1178.7
42.5°	1147.7	1148.6	1138.3	1131.0	1126.2
45°	1091.4	1091.8	1080.6	1072.4	1068.5
47.5°	1030.2	1029.4	1016.9	1010.0	1006.1
50°	964.8	963.1	949.3	942.8	939.4
52.5°	896.3	892.9	880.8	871.4	868.3
55°	825.3	820.6	805.5	796.0	795.2
57.5°	751.2	745.6	733.2	724.1	720.7
60°	670.3	669.0	658.7	647.9	645.3
62.5°	594.5	590.7	581.6	568.7	567.4
65°	513.6	511.4	503.3	491.2	488.6
67.5°	430.1	432.2	425.3	414.6	411.1
70°	354.7	356.0	348.3	338.4	337.1
72.5°	279.0	281.1	274.7	268.2	266.9
75°	209.7	210.5	207.5	201.9	197.6
77.5°	149.0	152.0	148.5	144.7	141.2
80°	103.8	99.0	99.4	97.7	93.9
82.5°	62.4	60.3	59.8	58.1	56.4
85°	31.4	31.0	31.4	31.0	29.3
87.5°	10.3	11.2	11.6	11.6	10.8
90°	0.0	0.0	0.0	0.0	0.0



Report Generated By 670246072 / DESKTOP-MV3F9LC







— 0°-180°    - - 45°-225°    - - - - 90°-270°







(END OF REPORT)