

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: P412618

Luminaire Tested: **14PD-20-PP3-L927**

Issue Date: 9/15/2020

**Test Information**

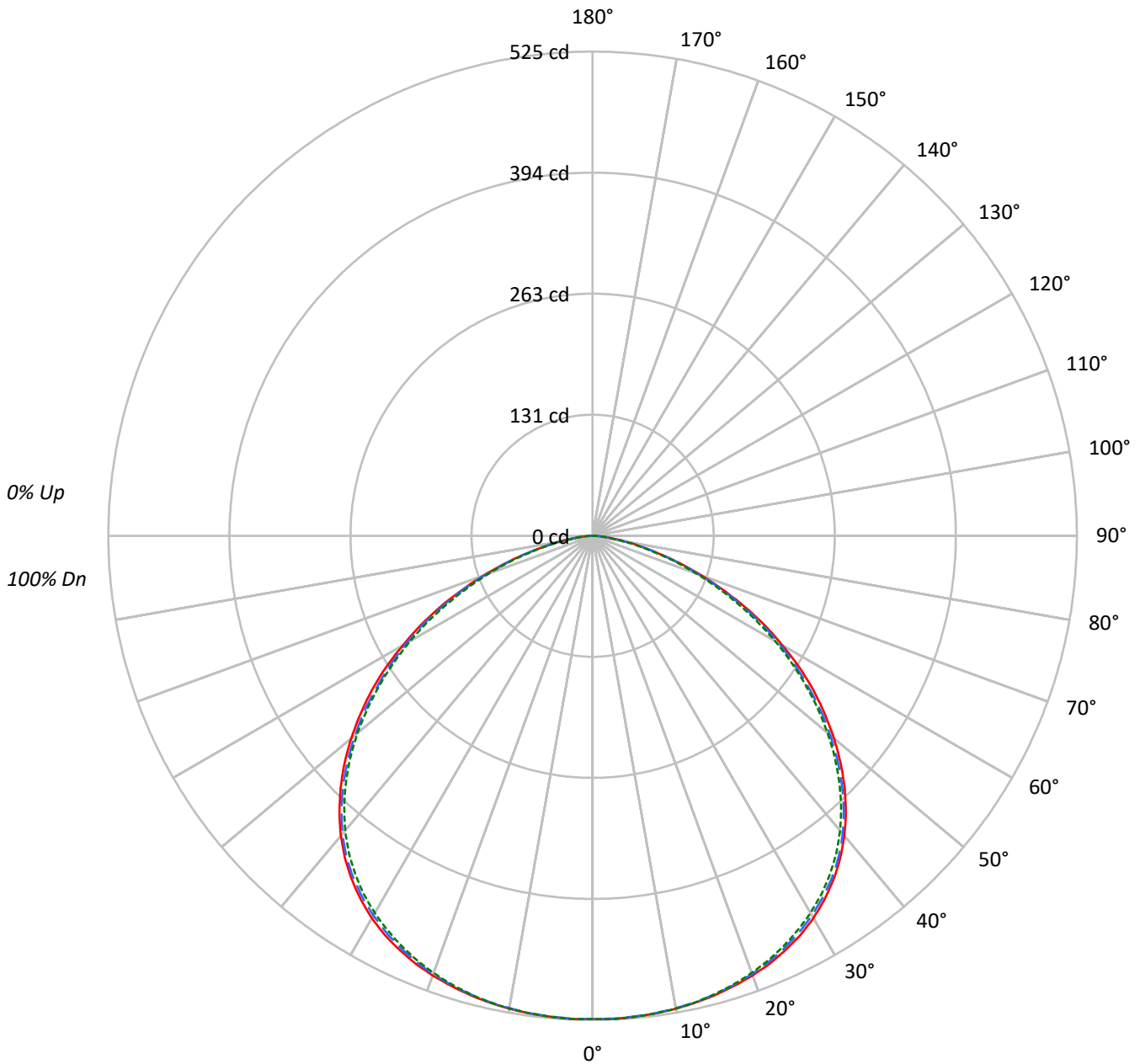
Test Method: LM-79-08  
Report Number: P412618  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2008-911-47)  
Test Lab: INNOVATION CENTER  
Issue Date: 9/15/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: 14PD-20-PP3-L927  
Description: 2000 LUMEN 1X4 PERCEIVE LED TROFFER WITH PRISM PATTERN OPTICS AND 90 CRI, 2700 CCT LEDS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1525.0 lumens  
Efficiency: N/A  
Efficacy: 87.6 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): 17.4  
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: P412618  
CATALOG NUMBER: 14PD-20-PP3-L927

### Luminous Intensity Polar Plot





TEST NUMBER: P412618

CATALOG NUMBER: 14PD-20-PP3-L927

**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°	1410	1410	1410
5°	1414	1414	1414
10°	1423	1421	1423
15°	1436	1433	1433
20°	1453	1448	1444
25°	1471	1464	1457
30°	1487	1477	1468
35°	1495	1486	1473
40°	1492	1482	1466
45°	1470	1456	1440
50°	1430	1407	1392
55°	1370	1338	1321
60°	1277	1255	1229
65°	1158	1135	1102
70°	988	970	939
75°	771	764	728
80°	569	545	514
85°	343	343	321



TEST NUMBER: P412618

CATALOG NUMBER: 14PD-20-PP3-L927

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	49.9	3.3
10°-20°	145.5	9.5
20°-30°	227.4	14.9
30°-40°	282.6	18.5
40°-50°	294.5	19.3
50°-60°	255.5	16.8
60°-70°	175.7	11.5
70°-80°	79.3	5.2
80°-90°	14.5	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°	422.8	27.7
0°-40°	705.4	46.3
0°-60°	1255.5	82.3
0°-90°	1525.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1525.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	524	524	524	524	524	
5°	524	524	523	523	524	50
15°	515	515	514	514	514	146
25°	495	495	493	491	491	229
35°	455	455	452	450	448	284
45°	386	386	382	380	378	297
55°	292	290	285	282	282	260
65°	182	181	178	174	173	179
75°	74	74	74	72	70	81
85°	11	11	11	11	10	15
90°	0	0	0	0	0	



TEST NUMBER: P412618

CATALOG NUMBER: 14PD-20-PP3-L927

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	524.1	524.1	524.1	524.1	524.1
2.5°	524.3	524.3	523.9	523.5	524.6
5°	523.5	523.6	523.3	522.9	523.6
7.5°	522.4	522.6	522.1	521.7	522.3
10°	520.7	520.6	520.1	519.8	520.6
12.5°	518.3	518.2	517.7	517.4	518.0
15°	515.3	515.3	514.5	514.0	514.2
17.5°	511.6	511.6	510.5	509.5	509.8
20°	507.3	507.2	505.7	504.6	504.4
22.5°	502.0	502.0	499.9	498.5	498.0
25°	495.4	495.3	492.9	490.9	490.6
27.5°	488.0	487.7	484.8	482.8	482.0
30°	478.7	478.4	475.3	473.2	472.3
32.5°	467.7	468.2	464.7	462.2	461.3
35°	455.2	455.2	452.5	449.9	448.4
37.5°	440.9	440.9	438.3	435.7	433.9
40°	424.6	424.7	422.0	418.8	417.3
42.5°	406.3	406.6	402.9	400.4	398.7
45°	386.3	386.5	382.5	379.6	378.3
47.5°	364.7	364.4	360.0	357.5	356.2
50°	341.5	340.9	336.0	333.8	332.5
52.5°	317.3	316.1	311.8	308.5	307.4
55°	292.1	290.5	285.1	281.8	281.5
57.5°	265.9	264.0	259.5	256.3	255.1
60°	237.3	236.8	233.2	229.4	228.4
62.5°	210.5	209.1	205.9	201.3	200.9
65°	181.8	181.0	178.2	173.9	173.0
67.5°	152.2	153.0	150.6	146.8	145.5
70°	125.6	126.0	123.3	119.8	119.3
72.5°	98.8	99.5	97.2	94.9	94.5
75°	74.2	74.5	73.5	71.5	70.0
77.5°	52.7	53.8	52.6	51.2	50.0
80°	36.7	35.1	35.2	34.6	33.2
82.5°	22.1	21.3	21.2	20.6	20.0
85°	11.1	11.0	11.1	11.0	10.4
87.5°	3.7	4.0	4.1	4.1	3.8
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)