

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: P412620

Luminaire Tested: **14PD-20-PP3-L935**

Issue Date: 9/15/2020

**Test Information**

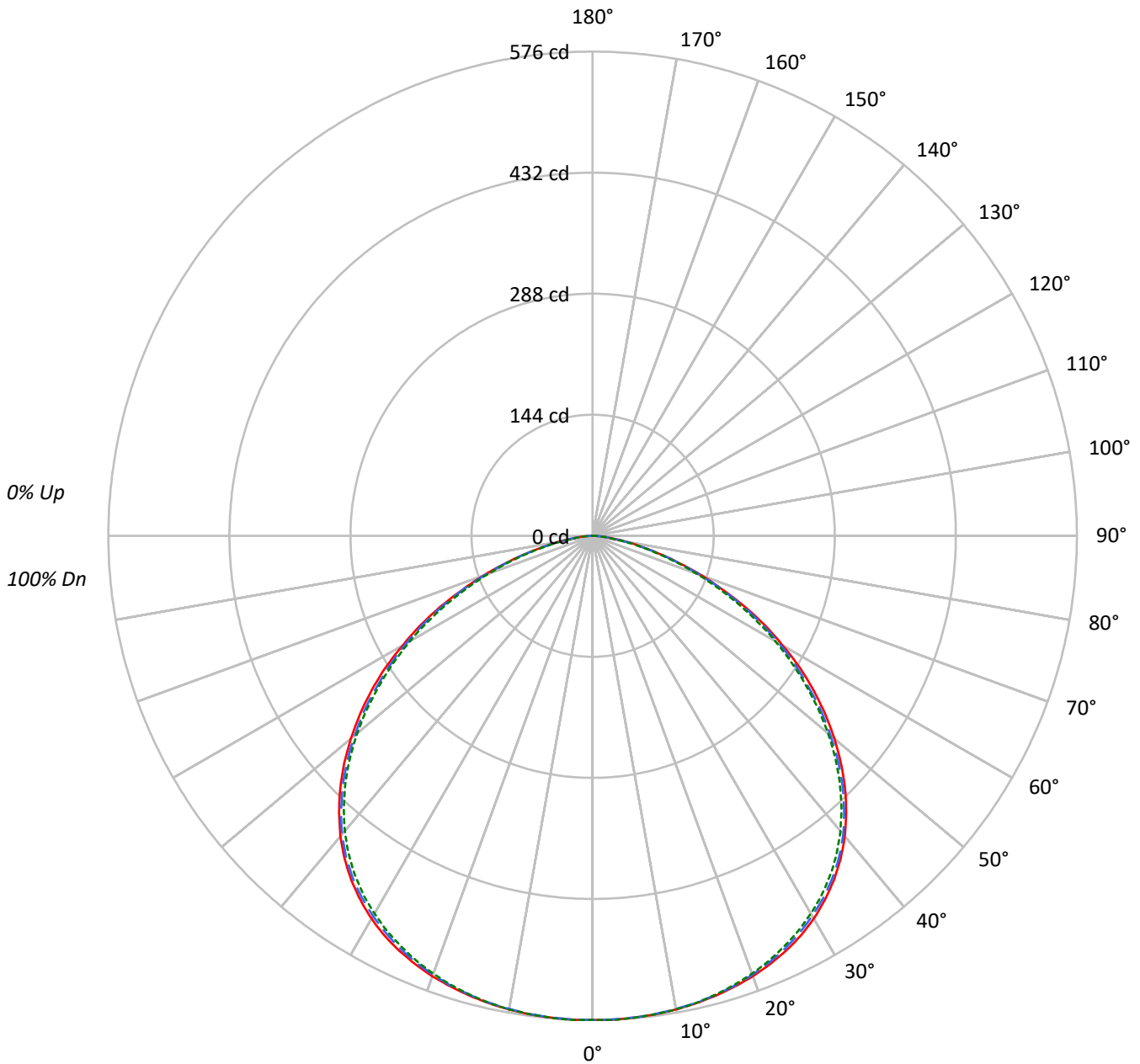
Test Method: LM-79-08  
Report Number: P412620  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2008-911-47)  
Test Lab: INNOVATION CENTER  
Issue Date: 9/15/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: 14PD-20-PP3-L935  
Description: 2000 LUMEN 1X4 PERCEIVE LED TROFFER WITH PRISM PATTERN OPTICS AND 90 CRI, 3500 CCT LEDS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1676.0 lumens  
Efficiency: N/A  
Efficacy: 96.3 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

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### Luminous Intensity Polar Plot





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**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°	1550	1550	1550
5°	1554	1554	1555
10°	1564	1562	1563
15°	1578	1575	1574
20°	1597	1591	1588
25°	1617	1608	1601
30°	1635	1623	1613
35°	1644	1634	1619
40°	1639	1629	1611
45°	1616	1600	1582
50°	1571	1546	1530
55°	1506	1470	1452
60°	1404	1379	1351
65°	1272	1247	1210
70°	1086	1066	1031
75°	848	839	800
80°	626	600	566
85°	377	377	352



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	54.8	3.3
10°-20°	159.9	9.5
20°-30°	249.9	14.9
30°-40°	310.6	18.5
40°-50°	323.7	19.3
50°-60°	280.9	16.8
60°-70°	193.1	11.5
70°-80°	87.1	5.2
80°-90°	16.0	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°	464.7	27.7
0°-40°	775.3	46.3
0°-60°	1379.8	82.3
0°-90°	1676.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1676.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	576	576	576	576	576	
5°	575	576	575	575	576	55
15°	566	566	565	565	565	160
25°	544	544	542	540	539	251
35°	500	500	497	494	493	313
45°	425	425	420	417	416	327
55°	321	319	313	310	309	286
65°	200	199	196	191	190	197
75°	82	82	81	79	77	89
85°	12	12	12	12	11	17
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	576.0	576.0	576.0	576.0	576.0
2.5°	576.2	576.2	575.8	575.3	576.5
5°	575.3	575.5	575.2	574.7	575.5
7.5°	574.1	574.3	573.8	573.3	574.0
10°	572.3	572.1	571.6	571.3	572.1
12.5°	569.6	569.5	569.0	568.6	569.3
15°	566.3	566.3	565.4	564.9	565.1
17.5°	562.3	562.3	561.1	559.9	560.2
20°	557.6	557.4	555.7	554.6	554.4
22.5°	551.7	551.7	549.4	547.9	547.4
25°	544.5	544.3	541.7	539.5	539.1
27.5°	536.3	536.0	532.8	530.6	529.8
30°	526.1	525.7	522.4	520.1	519.0
32.5°	514.0	514.5	510.7	508.0	507.0
35°	500.3	500.3	497.3	494.4	492.8
37.5°	484.5	484.5	481.7	478.8	476.8
40°	466.6	466.8	463.8	460.3	458.6
42.5°	446.5	446.9	442.8	440.0	438.1
45°	424.6	424.8	420.4	417.2	415.7
47.5°	400.8	400.5	395.6	392.9	391.4
50°	375.3	374.7	369.3	366.8	365.5
52.5°	348.7	347.4	342.7	339.0	337.8
55°	321.1	319.2	313.4	309.7	309.4
57.5°	292.3	290.1	285.2	281.7	280.4
60°	260.8	260.3	256.3	252.1	251.1
62.5°	231.3	229.8	226.3	221.3	220.7
65°	199.8	199.0	195.8	191.1	190.1
67.5°	167.3	168.2	165.5	161.3	160.0
70°	138.0	138.5	135.5	131.6	131.1
72.5°	108.5	109.4	106.9	104.3	103.8
75°	81.6	81.9	80.7	78.6	76.9
77.5°	58.0	59.1	57.8	56.3	54.9
80°	40.4	38.5	38.7	38.0	36.5
82.5°	24.3	23.4	23.3	22.6	21.9
85°	12.2	12.1	12.2	12.1	11.4
87.5°	4.0	4.4	4.5	4.5	4.2
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)