

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: P412656

Luminaire Tested: **14PD-40-PP3-L935**

Issue Date: 9/15/2020



**Test Information**

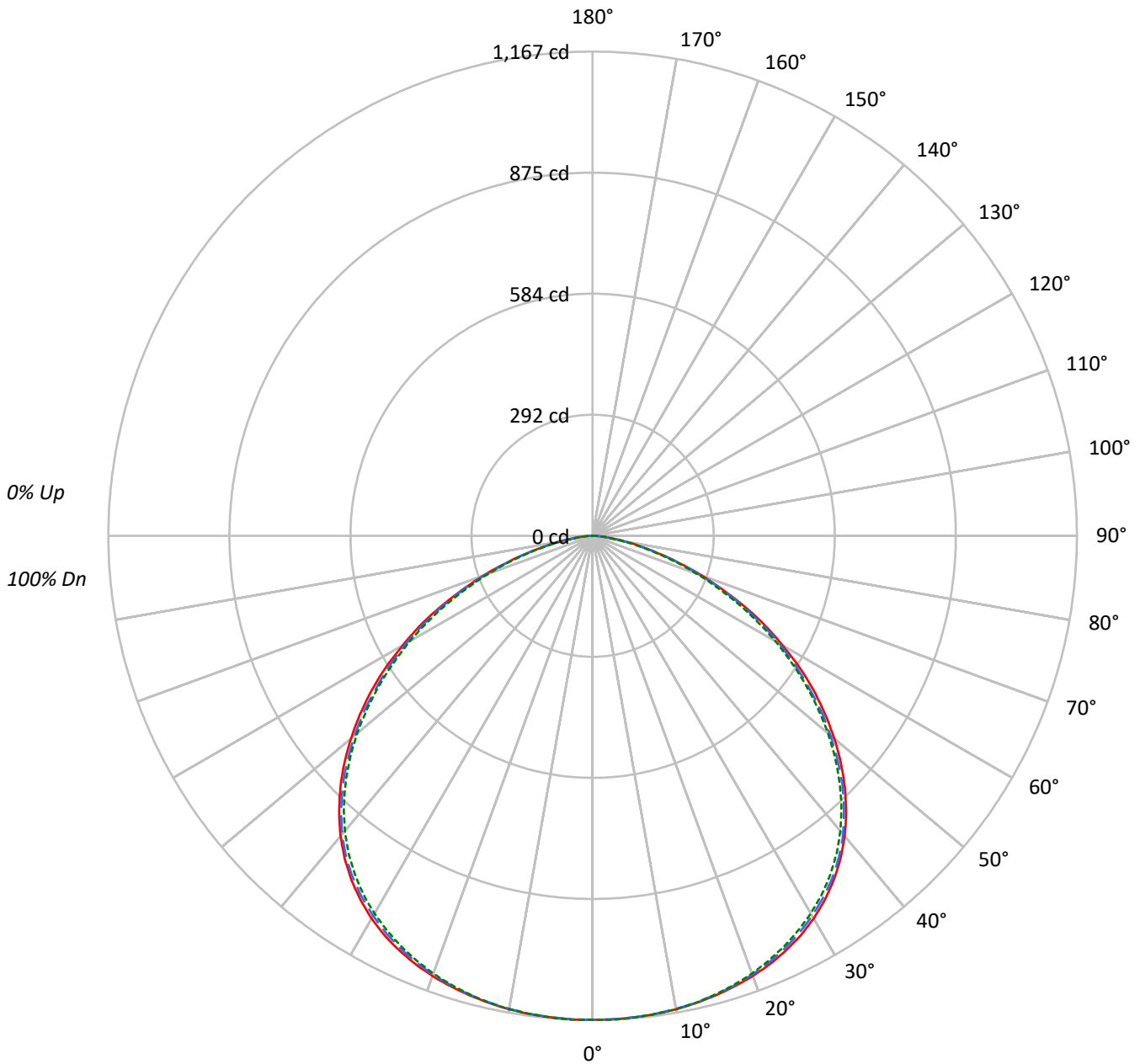
Test Method: LM-79-08  
Report Number: P412656  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2008-911-47)  
Test Lab: INNOVATION CENTER  
Issue Date: 9/15/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: 14PD-40-PP3-L935  
Description: 4000 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: 3394.0 lumens  
Efficiency: N/A  
Efficacy: 89.8 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): 37.8  
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°	3139	3139	3139
5°	3147	3146	3148
10°	3167	3163	3166
15°	3195	3190	3188
20°	3233	3223	3215
25°	3274	3257	3242
30°	3310	3287	3266
35°	3328	3308	3278
40°	3319	3299	3262
45°	3272	3240	3204
50°	3182	3131	3098
55°	3050	2977	2939
60°	2842	2793	2736
65°	2576	2525	2451
70°	2199	2159	2090
75°	1718	1700	1619
80°	1266	1213	1145
85°	766	766	713



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	111.0	3.3
10°-20°	323.8	9.5
20°-30°	506.1	14.9
30°-40°	629.0	18.5
40°-50°	655.4	19.3
50°-60°	568.7	16.8
60°-70°	391.0	11.5
70°-80°	176.5	5.2
80°-90°	32.3	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°	940.9	27.7
0°-40°	1570.0	46.3
0°-60°	2794.1	82.3
0°-90°	3394.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3394.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1166	1166	1166	1166	1166	
5°	1165	1165	1165	1164	1165	111
15°	1147	1147	1145	1144	1144	324
25°	1103	1102	1097	1092	1092	509
35°	1013	1013	1007	1001	998	633
45°	860	860	851	845	842	662
55°	650	646	635	627	626	579
65°	405	403	396	387	385	399
75°	165	166	164	159	156	180
85°	25	24	25	24	23	33
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1166.4	1166.4	1166.4	1166.4	<i>1166.4</i>
2.5°	<i>1166.8</i>	<i>1166.8</i>	<i>1166.1</i>	<i>1165.1</i>	<i>1167.4</i>
5°	1165.1	1165.4	1164.7	1163.7	<i>1165.4</i>
7.5°	1162.7	1163.0	1162.0	1161.0	<i>1162.3</i>
10°	1159.0	1158.6	1157.6	1156.9	<i>1158.6</i>
12.5°	1153.5	1153.2	1152.2	1151.5	<i>1152.9</i>
15°	1146.7	1146.7	1145.1	1144.0	<i>1144.4</i>
17.5°	1138.6	1138.6	1136.2	1133.9	<i>1134.5</i>
20°	1129.1	1128.8	1125.4	1123.0	<i>1122.7</i>
22.5°	1117.2	1117.2	1112.5	1109.4	<i>1108.4</i>
25°	1102.7	1102.3	1096.9	1092.5	<i>1091.8</i>
27.5°	1086.0	1085.4	1078.9	1074.5	<i>1072.8</i>
30°	1065.3	1064.7	1057.9	1053.1	<i>1051.1</i>
32.5°	1040.9	1041.9	1034.1	1028.7	<i>1026.7</i>
35°	1013.1	1013.1	1007.0	1001.2	<i>997.8</i>
37.5°	981.2	981.2	975.5	969.7	<i>965.6</i>
40°	944.9	945.3	939.2	932.0	<i>928.7</i>
42.5°	904.2	904.9	896.8	891.0	<i>887.3</i>
45°	859.8	860.1	851.3	844.9	<i>841.8</i>
47.5°	811.6	811.0	801.1	795.7	<i>792.6</i>
50°	760.1	758.7	747.9	742.8	<i>740.1</i>
52.5°	706.2	703.4	693.9	686.5	<i>684.1</i>
55°	650.2	646.5	634.6	627.1	<i>626.5</i>
57.5°	591.9	587.4	577.6	570.5	<i>567.8</i>
60°	528.1	527.1	518.9	510.5	<i>508.4</i>
62.5°	468.4	465.3	458.2	448.0	<i>447.0</i>
65°	404.6	402.9	396.5	387.0	<i>385.0</i>
67.5°	338.8	340.5	335.1	326.6	<i>323.9</i>
70°	279.5	280.5	274.4	266.6	<i>265.6</i>
72.5°	219.8	221.5	216.4	211.3	<i>210.3</i>
75°	165.2	165.9	163.5	159.1	<i>155.7</i>
77.5°	117.4	119.7	117.0	114.0	<i>111.2</i>
80°	81.7	78.0	78.3	77.0	<i>73.9</i>
82.5°	49.2	47.5	47.1	45.8	<i>44.4</i>
85°	24.8	24.4	24.8	24.4	<i>23.1</i>
87.5°	8.1	8.8	9.2	9.2	<i>8.5</i>
90°	0.0	0.0	0.0	0.0	<i>0.0</i>



Report Generated By 670246072 / DESKTOP-MV3F9LC







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







(END OF REPORT)