

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: P412642

Luminaire Tested: **14PD-35-PP3-L835**

Issue Date: 9/15/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P412642  
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-35-PP3-L835  
Description: 3500 LUMEN 1X4 PERCEIVE LED TROFFER WITH PRISM PATTERN OPTICS AND 80 CRI, 3500 CCT LEDS  
Light Source: -  
Ballast/Driver: -

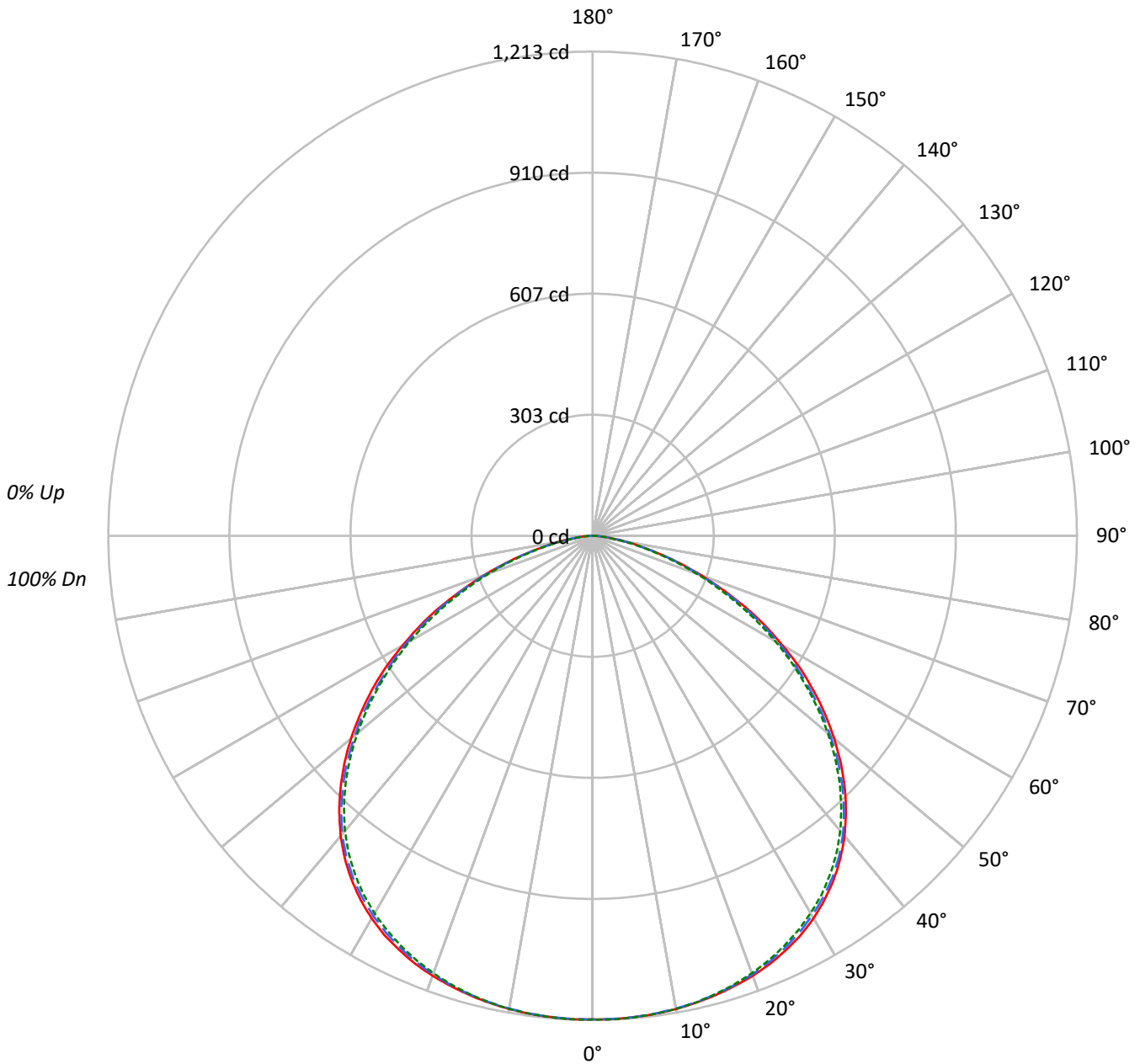
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3526.0 lumens  
Efficiency: N/A  
Efficacy: 110.9 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): 31.8  
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°	3261	3261	3261
5°	3270	3269	3270
10°	3290	3286	3289
15°	3319	3314	3312
20°	3359	3348	3340
25°	3401	3383	3368
30°	3439	3415	3393
35°	3458	3437	3406
40°	3449	3427	3389
45°	3399	3366	3328
50°	3306	3253	3219
55°	3169	3093	3053
60°	2953	2901	2843
65°	2677	2623	2546
70°	2284	2243	2171
75°	1784	1765	1681
80°	1316	1261	1190
85°	794	794	741



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	115.3	3.3
10°-20°	336.4	9.5
20°-30°	525.8	14.9
30°-40°	653.5	18.5
40°-50°	680.9	19.3
50°-60°	590.8	16.8
60°-70°	406.3	11.5
70°-80°	183.3	5.2
80°-90°	33.6	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°	977.5	27.7
0°-40°	1631.1	46.3
0°-60°	2902.8	82.3
0°-90°	3526.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3526.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1212	1212	1212	1212	1212	
5°	1210	1211	1210	1209	1211	115
15°	1191	1191	1190	1188	1189	337
25°	1146	1145	1140	1135	1134	528
35°	1052	1052	1046	1040	1037	658
45°	893	894	884	878	875	688
55°	676	672	659	652	651	602
65°	420	419	412	402	400	415
75°	172	172	170	165	162	187
85°	26	25	26	25	24	35
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1211.8	1211.8	1211.8	1211.8	1211.8
2.5°	1212.1	1212.1	1211.4	1210.4	1212.8
5°	1210.4	1210.7	1210.0	1209.0	1210.7
7.5°	1207.9	1208.3	1207.2	1206.1	1207.6
10°	1204.0	1203.7	1202.6	1201.9	1203.7
12.5°	1198.4	1198.0	1197.0	1196.3	1197.7
15°	1191.3	1191.3	1189.6	1188.5	1188.9
17.5°	1182.9	1182.9	1180.4	1178.0	1178.7
20°	1173.0	1172.7	1169.1	1166.7	1166.3
22.5°	1160.7	1160.7	1155.8	1152.6	1151.5
25°	1145.5	1145.2	1139.5	1135.0	1134.3
27.5°	1128.3	1127.6	1120.9	1116.3	1114.5
30°	1106.8	1106.1	1099.0	1094.1	1092.0
32.5°	1081.4	1082.5	1074.4	1068.7	1066.6
35°	1052.5	1052.5	1046.2	1040.2	1036.7
37.5°	1019.4	1019.4	1013.4	1007.4	1003.2
40°	981.7	982.0	975.7	968.3	964.8
42.5°	939.4	940.1	931.7	925.7	921.8
45°	893.2	893.6	884.4	877.7	874.6
47.5°	843.2	842.5	832.3	826.6	823.5
50°	789.7	788.2	777.0	771.7	768.9
52.5°	733.6	730.8	720.9	713.2	710.7
55°	675.5	671.6	659.3	651.5	650.8
57.5°	614.9	610.3	600.1	592.7	589.9
60°	548.6	547.6	539.1	530.3	528.2
62.5°	486.6	483.4	476.0	465.5	464.4
65°	420.4	418.6	411.9	402.0	399.9
67.5°	352.0	353.8	348.1	339.3	336.5
70°	290.3	291.4	285.1	277.0	275.9
72.5°	228.3	230.1	224.8	219.5	218.5
75°	171.6	172.3	169.8	165.3	161.7
77.5°	121.9	124.4	121.6	118.4	115.6
80°	84.9	81.0	81.4	80.0	76.8
82.5°	51.1	49.3	49.0	47.6	46.2
85°	25.7	25.4	25.7	25.4	24.0
87.5°	8.5	9.2	9.5	9.5	8.8
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)