

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: P412633

Luminaire Tested: **14PD-30-PP3-L835**

Issue Date: 9/15/2020

**Test Information**

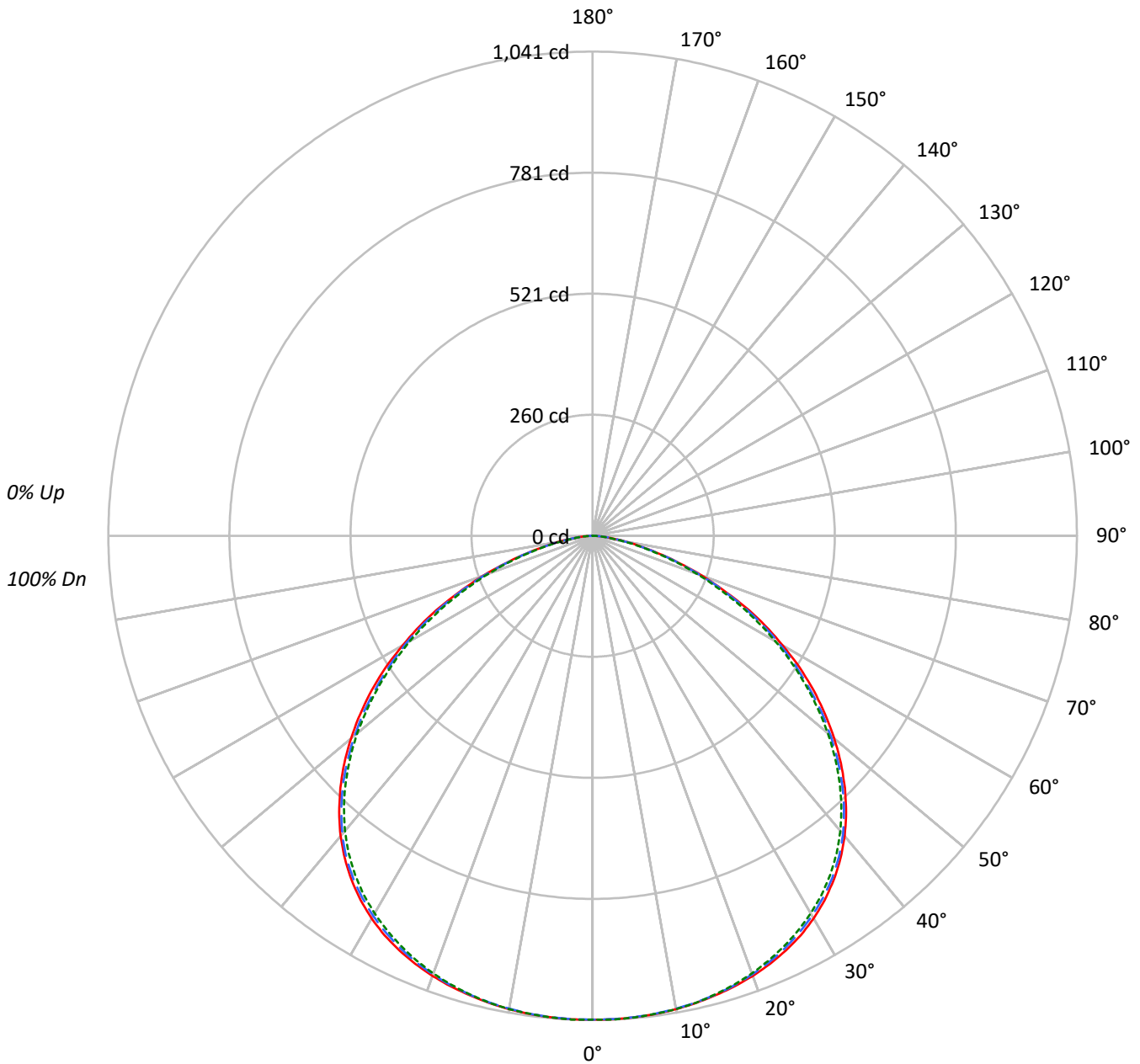
Test Method: LM-79-08  
Report Number: P412633  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2008-911-47)  
Test Lab: INNOVATION CENTER  
Issue Date: 9/15/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: 14PD-30-PP3-L835  
Description: 3000 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: 3027.0 lumens  
Efficiency: N/A  
Efficacy: 112.1 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): 27  
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°	2799	2799	2799
5°	2807	2806	2808
10°	2824	2821	2823
15°	2849	2845	2843
20°	2884	2874	2867
25°	2920	2905	2891
30°	2952	2932	2913
35°	2968	2950	2924
40°	2961	2942	2909
45°	2918	2890	2857
50°	2838	2792	2763
55°	2721	2655	2621
60°	2535	2491	2440
65°	2298	2252	2186
70°	1961	1925	1864
75°	1531	1516	1443
80°	1130	1083	1021
85°	682	682	636



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	99.0	3.3
10°-20°	288.8	9.5
20°-30°	451.4	14.9
30°-40°	561.0	18.5
40°-50°	584.5	19.3
50°-60°	507.2	16.8
60°-70°	348.8	11.5
70°-80°	157.4	5.2
80°-90°	28.9	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°	839.2	27.7
0°-40°	1400.2	46.3
0°-60°	2492.0	82.3
0°-90°	3027.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3027.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1040	1040	1040	1040	1040	
5°	1039	1039	1039	1038	1039	99
15°	1023	1023	1021	1020	1021	289
25°	983	983	978	974	974	454
35°	904	904	898	893	890	565
45°	767	767	759	754	751	590
55°	580	577	566	559	559	517
65°	361	359	354	345	343	356
75°	147	148	146	142	139	160
85°	22	22	22	22	21	30
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1040.3	1040.3	1040.3	1040.3	1040.3
2.5°	1040.6	1040.6	1040.0	1039.1	1041.2
5°	1039.1	1039.4	1038.8	1037.9	1039.4
7.5°	1037.0	1037.3	1036.4	1035.5	1036.7
10°	1033.6	1033.3	1032.4	1031.8	1033.3
12.5°	1028.8	1028.5	1027.6	1027.0	1028.2
15°	1022.7	1022.7	1021.2	1020.3	1020.6
17.5°	1015.5	1015.5	1013.4	1011.3	1011.9
20°	1007.0	1006.7	1003.7	1001.6	1001.3
22.5°	996.4	996.4	992.2	989.5	988.6
25°	983.4	983.1	978.3	974.3	973.7
27.5°	968.6	968.0	962.2	958.3	956.8
30°	950.1	949.5	943.5	939.3	937.4
32.5°	928.4	929.3	922.3	917.5	915.7
35°	903.6	903.6	898.1	893.0	890.0
37.5°	875.1	875.1	870.0	864.8	861.2
40°	842.8	843.1	837.6	831.3	828.2
42.5°	806.5	807.1	799.8	794.7	791.3
45°	766.8	767.1	759.3	753.5	750.8
47.5°	723.9	723.3	714.5	709.7	706.9
50°	677.9	676.7	667.0	662.5	660.1
52.5°	629.8	627.4	618.9	612.3	610.1
55°	579.9	576.6	566.0	559.3	558.7
57.5°	527.9	523.9	515.2	508.8	506.4
60°	471.0	470.1	462.8	455.3	453.4
62.5°	417.8	415.0	408.7	399.6	398.7
65°	360.9	359.4	353.6	345.2	343.3
67.5°	302.2	303.7	298.9	291.3	288.9
70°	249.3	250.2	244.7	237.8	236.9
72.5°	196.0	197.5	193.0	188.5	187.5
75°	147.3	147.9	145.8	141.9	138.8
77.5°	104.7	106.8	104.4	101.6	99.2
80°	72.9	69.6	69.9	68.7	65.9
82.5°	43.9	42.3	42.0	40.8	39.6
85°	22.1	21.8	22.1	21.8	20.6
87.5°	7.3	7.9	8.2	8.2	7.6
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)