

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: P412975

Luminaire Tested: **14PD-30-PC3-L835**

Issue Date: 9/15/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P412975  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2008-911-57)  
Test Lab: INNOVATION CENTER  
Issue Date: 9/15/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: 14PD-30-PC3-L835  
Description: 3000 LUMEN 1X4 PERCEIVE LED TROFFER WITH PYRAMID PATTERN OPTICS AND 80 CRI, 3500 CCT LEDS  
Light Source: -  
Ballast/Driver: -

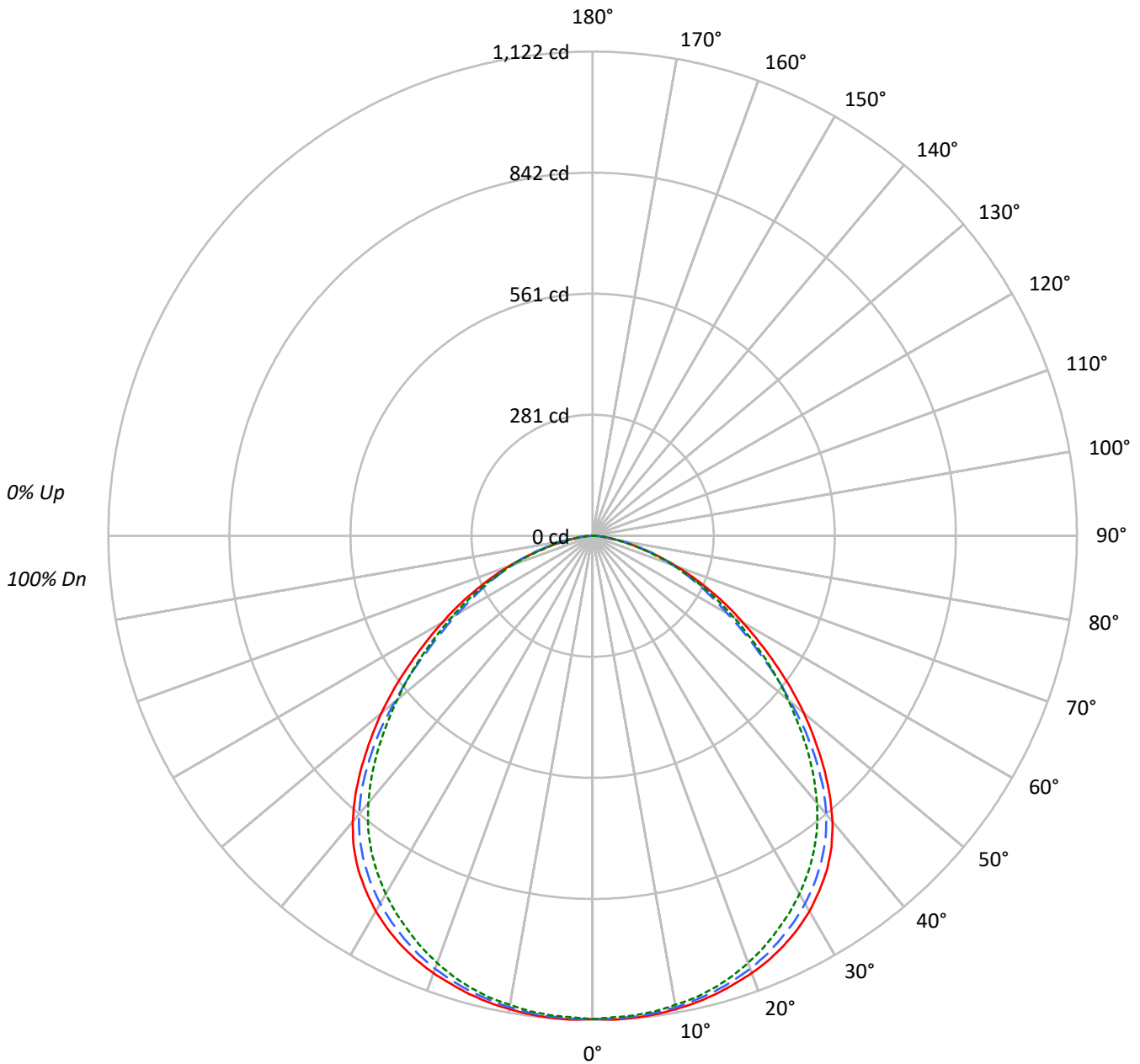
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2894.0 lumens  
Efficiency: N/A  
Efficacy: 107.2 lumens/watt  
Spacing Criteria (0/90/45): 1.32 / 1.27 / 1.37  
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

TEST NUMBER: P412975  
CATALOG NUMBER: 14PD-30-PC3-L835

### 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	110	106	102	98	107	103	100	97	99	96	94	95	93	91	92	90	88	86																			
2	101	93	87	81	98	91	85	80	88	83	79	84	80	77	81	78	75	73																			
3	92	82	75	69	90	81	74	68	78	72	67	75	70	66	73	68	65	62																			
4	85	73	65	59	83	72	64	58	70	63	58	67	62	57	65	60	56	54																			
5	78	66	57	51	76	65	57	51	63	56	50	61	55	50	59	53	49	47																			
6	72	60	51	45	70	59	50	45	57	50	44	55	49	44	54	48	43	41																			
7	67	54	46	40	65	53	45	40	52	45	39	50	44	39	49	43	39	37																			
8	63	49	41	36	61	49	41	35	47	40	35	46	40	35	45	39	35	33																			
9	58	45	37	32	57	45	37	32	44	37	32	43	36	32	42	36	31	30																			
10	55	42	34	29	54	41	34	29	40	34	29	40	33	29	39	33	29	27																			

**AVERAGE LUMINANCE (cd/sqm):**

	0°	45°	90°
0°	3013	3013	3013
5°	3029	3021	3013
10°	3044	3031	3017
15°	3064	3045	3023
20°	3089	3058	3016
25°	3111	3061	2999
30°	3122	3058	2978
35°	3108	3033	2935
40°	3038	2959	2840
45°	2879	2781	2679
50°	2673	2502	2473
55°	2419	2206	2254
60°	2164	1942	2028
65°	1909	1741	1801
70°	1625	1543	1555
75°	1249	1316	1213
80°	916	961	908
85°	614	673	658



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	106.4	3.7
10°-20°	308.5	10.7
20°-30°	474.5	16.4
30°-40°	574.1	19.8
40°-50°	560.5	19.4
50°-60°	433.1	15.0
60°-70°	278.1	9.6
70°-80°	131.3	4.5
80°-90°	27.5	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°	889.3	30.7
0°-40°	1463.5	50.6
0°-60°	2457.1	84.9
0°-90°	2894.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2894.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1120	1120	1120	1120	1120	
5°	1121	1116	1118	1117	1115	107
15°	1100	1094	1093	1089	1085	311
25°	1048	1039	1031	1018	1010	483
35°	946	936	923	902	894	590
45°	756	747	731	712	704	582
55°	516	491	470	471	480	462
65°	300	282	274	270	283	298
75°	120	122	127	116	117	132
85°	20	23	22	21	21	26
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1119.8	1119.8	1119.8	1119.8	1119.8
2.5°	1122.3	1117.9	1120.3	1120.3	1116.9
5°	1121.3	1116.4	1118.4	1117.4	1115.4
7.5°	1118.4	1113.4	1114.9	1113.9	1111.4
10°	1113.9	1108.4	1109.4	1107.4	1104.0
12.5°	1107.9	1103.0	1102.0	1099.0	1096.5
15°	1100.0	1094.5	1093.0	1089.1	1085.1
17.5°	1089.6	1084.1	1081.6	1075.7	1071.2
20°	1078.6	1072.2	1067.7	1058.8	1053.3
22.5°	1064.7	1057.3	1051.3	1038.9	1033.5
25°	1047.9	1039.4	1031.0	1017.6	1010.1
27.5°	1028.0	1019.1	1009.2	994.3	985.8
30°	1004.7	995.8	984.3	967.5	958.5
32.5°	976.9	968.0	956.0	936.7	927.7
35°	946.1	936.2	923.3	902.4	893.5
37.5°	909.4	898.5	886.5	863.7	854.3
40°	864.7	855.3	842.4	819.5	808.6
42.5°	813.1	804.6	790.2	768.4	758.0
45°	756.5	747.1	730.7	711.8	703.9
47.5°	697.4	683.5	667.6	651.3	646.8
50°	638.4	620.5	597.6	589.2	590.7
52.5°	577.8	555.0	535.1	528.7	536.1
55°	515.7	490.9	470.1	470.6	480.5
57.5°	456.7	430.9	413.5	413.5	426.4
60°	402.1	378.2	360.9	360.4	376.8
62.5°	351.4	327.1	314.2	314.2	329.1
65°	299.8	281.9	273.5	270.5	282.9
67.5°	252.2	239.8	233.8	230.3	238.3
70°	206.5	198.6	196.1	192.1	197.6
72.5°	161.3	159.3	164.3	154.9	157.4
75°	120.1	122.1	126.6	116.2	116.7
77.5°	86.4	90.3	91.8	86.9	86.9
80°	59.1	64.0	62.0	59.6	58.6
82.5°	37.7	40.2	40.2	38.7	37.7
85°	19.9	22.8	21.8	21.3	21.3
87.5°	7.4	10.4	10.4	9.9	9.4
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)