

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: P412638

Luminaire Tested: **14PD-30-PP3-L935**

Issue Date: 9/15/2020



**Test Information**

Test Method: LM-79-08  
Report Number: P412638  
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-L935  
Description: 3000 LUMEN 1X4 PERCEIVE LED TROFFER WITH PRISM PATTERN OPTICS AND 90 CRI, 3500 CCT LEDS  
Light Source: -  
Ballast/Driver: -

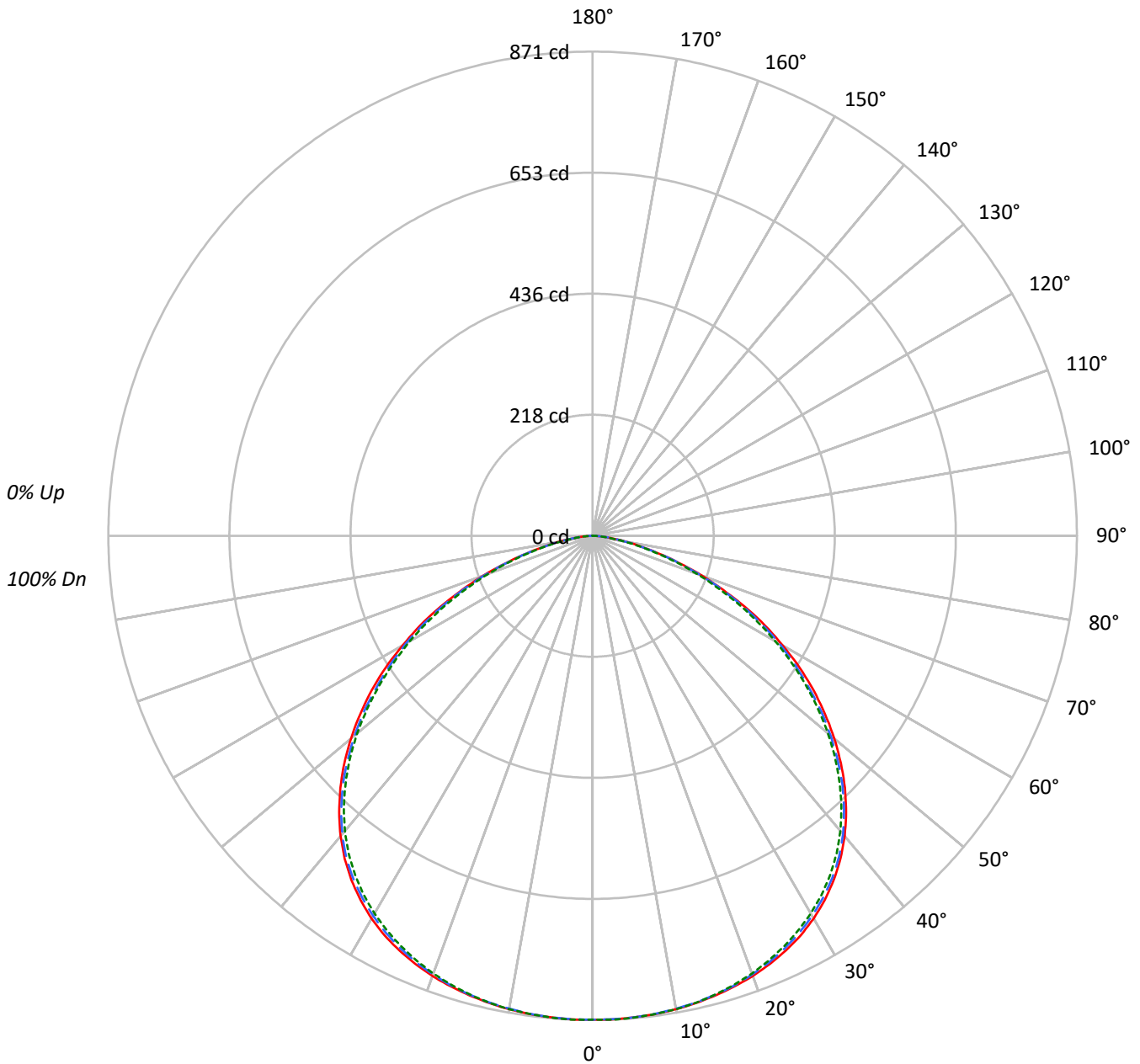
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2533.0 lumens  
Efficiency: N/A  
Efficacy: 93.8 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): 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°	2342	2342	2342
5°	2349	2348	2350
10°	2363	2361	2363
15°	2384	2381	2379
20°	2413	2405	2399
25°	2443	2431	2419
30°	2471	2453	2438
35°	2484	2469	2446
40°	2477	2462	2435
45°	2442	2418	2391
50°	2375	2337	2312
55°	2277	2222	2193
60°	2121	2084	2042
65°	1923	1884	1829
70°	1641	1611	1559
75°	1282	1268	1208
80°	945	907	855
85°	571	571	531



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	82.8	3.3
10°-20°	241.7	9.5
20°-30°	377.7	14.9
30°-40°	469.5	18.5
40°-50°	489.1	19.3
50°-60°	424.5	16.8
60°-70°	291.9	11.5
70°-80°	131.7	5.2
80°-90°	24.1	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°	702.2	27.7
0°-40°	1171.7	46.3
0°-60°	2085.3	82.3
0°-90°	2533.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2533.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	870	870	870	870	870	
5°	870	870	869	868	870	83
15°	856	856	855	854	854	242
25°	823	823	819	815	815	380
35°	756	756	752	747	745	472
45°	642	642	635	630	628	494
55°	485	482	474	468	468	432
65°	302	301	296	289	287	298
75°	123	124	122	119	116	134
85°	18	18	18	18	17	25
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	870.5	870.5	870.5	870.5	870.5
2.5°	870.8	870.8	870.3	869.5	871.3
5°	869.5	869.8	869.3	868.5	869.8
7.5°	867.7	868.0	867.2	866.5	867.5
10°	864.9	864.7	863.9	863.4	864.7
12.5°	860.9	860.6	859.9	859.4	860.4
15°	855.8	855.8	854.6	853.8	854.1
17.5°	849.8	849.8	848.0	846.2	846.7
20°	842.7	842.4	839.9	838.1	837.9
22.5°	833.8	833.8	830.3	828.0	827.2
25°	822.9	822.7	818.6	815.3	814.8
27.5°	810.5	810.0	805.2	801.9	800.7
30°	795.1	794.6	789.5	786.0	784.5
32.5°	776.9	777.6	771.8	767.7	766.2
35°	756.1	756.1	751.5	747.2	744.7
37.5°	732.3	732.3	728.0	723.7	720.7
40°	705.2	705.5	700.9	695.6	693.1
42.5°	674.8	675.4	669.3	665.0	662.2
45°	641.7	641.9	635.4	630.5	628.3
47.5°	605.7	605.2	597.9	593.8	591.6
50°	567.3	566.3	558.2	554.4	552.3
52.5°	527.0	525.0	517.9	512.3	510.6
55°	485.3	482.5	473.6	468.0	467.5
57.5°	441.7	438.4	431.1	425.8	423.7
60°	394.1	393.4	387.3	381.0	379.4
62.5°	349.6	347.3	342.0	334.4	333.6
65°	302.0	300.7	295.9	288.8	287.3
67.5°	252.9	254.1	250.1	243.8	241.7
70°	208.6	209.3	204.8	199.0	198.2
72.5°	164.0	165.3	161.5	157.7	156.9
75°	123.3	123.8	122.0	118.7	116.2
77.5°	87.6	89.4	87.3	85.1	83.0
80°	61.0	58.2	58.5	57.5	55.2
82.5°	36.7	35.4	35.2	34.2	33.2
85°	18.5	18.2	18.5	18.2	17.2
87.5°	6.1	6.6	6.8	6.8	6.3
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)