

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: P412980

Luminaire Tested: **14PD-30-PC3-L935**

Issue Date: 9/15/2020



**Test Information**

Test Method: LM-79-08  
Report Number: P412980  
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-L935  
Description: 3000 LUMEN 1X4 PERCEIVE LED TROFFER WITH PYRAMID PATTERN OPTICS AND 90 CRI, 3500 CCT LEDS  
Light Source: -  
Ballast/Driver: -

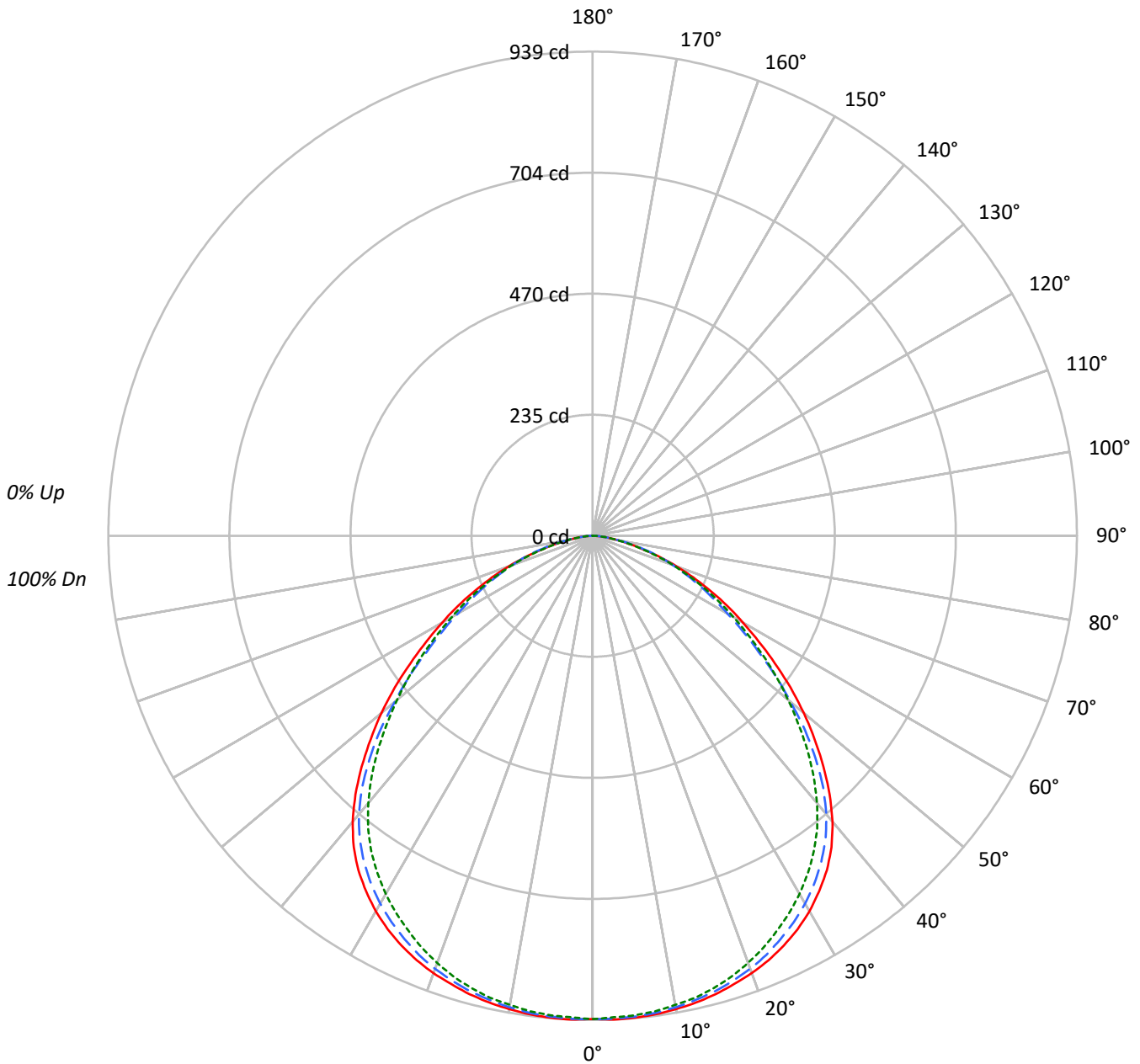
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2422.0 lumens  
Efficiency: N/A  
Efficacy: 89.7 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

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### Luminous Intensity Polar Plot





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**COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:**

RF	20					20					20					20					20					
RC	80					70					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°	2522	2522	2522
5°	2535	2528	2522
10°	2547	2537	2525
15°	2565	2549	2530
20°	2585	2559	2524
25°	2604	2562	2510
30°	2613	2560	2493
35°	2601	2538	2457
40°	2542	2477	2377
45°	2409	2327	2242
50°	2236	2094	2070
55°	2025	1846	1886
60°	1811	1625	1697
65°	1598	1457	1508
70°	1360	1291	1301
75°	1045	1101	1015
80°	766	804	759
85°	513	565	553



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	89.1	3.7
10°-20°	258.2	10.7
20°-30°	397.1	16.4
30°-40°	480.5	19.8
40°-50°	469.1	19.4
50°-60°	362.5	15.0
60°-70°	232.8	9.6
70°-80°	109.9	4.5
80°-90°	23.0	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°	744.3	30.7
0°-40°	1224.8	50.6
0°-60°	2056.3	84.9
0°-90°	2422.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2422.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	937	937	937	937	937	
5°	938	934	936	935	934	89
15°	921	916	915	911	908	260
25°	877	870	863	852	845	404
35°	792	784	773	755	748	494
45°	633	625	612	596	589	487
55°	432	411	393	394	402	387
65°	251	236	229	226	237	250
75°	100	102	106	97	98	110
85°	17	19	18	18	18	22
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	937.2	937.2	937.2	937.2	937.2
2.5°	939.3	935.5	937.6	937.6	934.7
5°	938.5	934.3	936.0	935.1	933.5
7.5°	936.0	931.8	933.1	932.2	930.1
10°	932.2	927.7	928.5	926.8	923.9
12.5°	927.2	923.1	922.2	919.8	917.7
15°	920.6	916.0	914.8	911.4	908.1
17.5°	911.9	907.3	905.2	900.2	896.5
20°	902.7	897.3	893.6	886.1	881.5
22.5°	891.1	884.9	879.9	869.5	864.9
25°	877.0	869.9	862.8	851.6	845.4
27.5°	860.4	852.9	844.6	832.1	825.0
30°	840.8	833.3	823.8	809.7	802.2
32.5°	817.6	810.1	800.1	783.9	776.4
35°	791.8	783.5	772.7	755.2	747.8
37.5°	761.1	751.9	742.0	722.8	715.0
40°	723.7	715.8	705.0	685.9	676.7
42.5°	680.5	673.4	661.4	643.1	634.4
45°	633.1	625.2	611.5	595.7	589.1
47.5°	583.7	572.0	558.8	545.0	541.3
50°	534.2	519.3	500.2	493.1	494.4
52.5°	483.6	464.4	447.8	442.4	448.7
55°	431.6	410.9	393.4	393.8	402.1
57.5°	382.2	360.6	346.1	346.1	356.9
60°	336.5	316.6	302.0	301.6	315.3
62.5°	294.1	273.8	263.0	263.0	275.4
65°	250.9	236.0	228.9	226.4	236.8
67.5°	211.0	200.7	195.7	192.8	199.4
70°	172.8	166.2	164.1	160.8	165.3
72.5°	135.0	133.4	137.5	129.6	131.7
75°	100.5	102.2	105.9	97.2	97.6
77.5°	72.3	75.6	76.9	72.7	72.7
80°	49.4	53.6	51.9	49.9	49.0
82.5°	31.6	33.6	33.6	32.4	31.6
85°	16.6	19.1	18.3	17.9	17.9
87.5°	6.2	8.7	8.7	8.3	7.9
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)