

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: P412636

Luminaire Tested: **14PD-30-PP3-L927**

Issue Date: 9/15/2020

**Test Information**

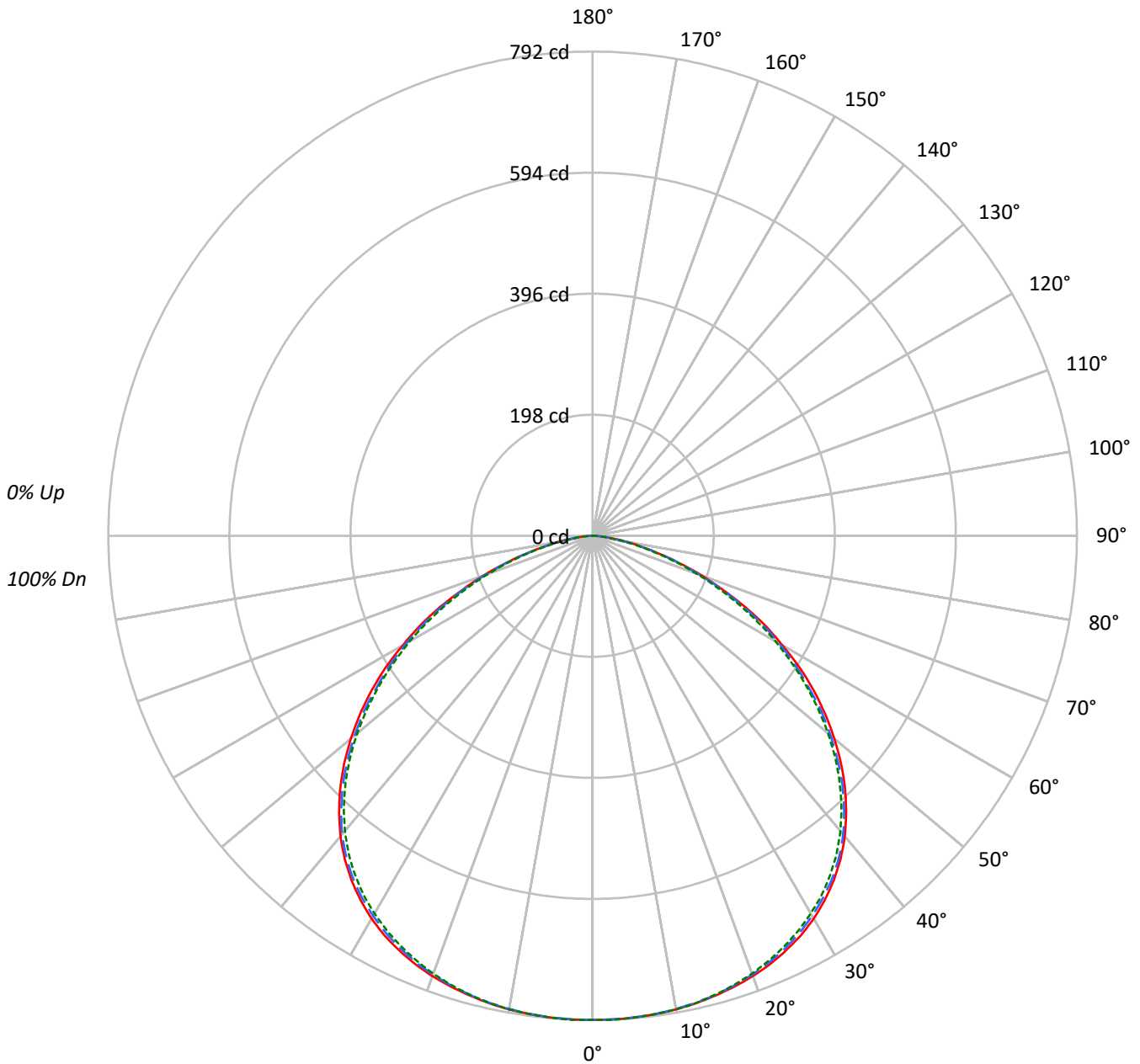
Test Method: LM-79-08  
Report Number: P412636  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2008-911-47)  
Test Lab: INNOVATION CENTER  
Issue Date: 9/15/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: 14PD-30-PP3-L927  
Description: 3000 LUMEN 1X4 PERCEIVE LED TROFFER WITH PRISM PATTERN OPTICS AND 90 CRI, 2700 CCT LEDS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2304.0 lumens  
Efficiency: N/A  
Efficacy: 85.3 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°	2131	2131	2131
5°	2136	2136	2137
10°	2150	2147	2149
15°	2169	2165	2164
20°	2195	2188	2182
25°	2222	2211	2201
30°	2247	2231	2217
35°	2259	2246	2225
40°	2253	2240	2214
45°	2221	2199	2175
50°	2160	2125	2103
55°	2071	2021	1995
60°	1929	1896	1857
65°	1749	1714	1664
70°	1493	1466	1419
75°	1166	1154	1099
80°	860	824	778
85°	519	519	485



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	75.3	3.3
10°-20°	219.8	9.5
20°-30°	343.6	14.9
30°-40°	427.0	18.5
40°-50°	444.9	19.3
50°-60°	386.1	16.8
60°-70°	265.5	11.5
70°-80°	119.8	5.2
80°-90°	22.0	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°	638.7	27.7
0°-40°	1065.8	46.3
0°-60°	1896.8	82.3
0°-90°	2304.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2304.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	792	792	792	792	792	
5°	791	791	791	790	791	75
15°	778	778	777	777	777	220
25°	748	748	745	742	741	345
35°	688	688	684	680	677	430
45°	584	584	578	574	572	449
55°	441	439	431	426	425	393
65°	275	274	269	263	261	271
75°	112	113	111	108	106	122
85°	17	17	17	17	16	23
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	791.8	791.8	791.8	791.8	791.8
2.5°	792.0	792.0	791.6	790.9	792.5
5°	790.9	791.1	790.7	790.0	791.1
7.5°	789.3	789.5	788.8	788.1	789.1
10°	786.8	786.5	785.8	785.4	786.5
12.5°	783.1	782.8	782.1	781.7	782.6
15°	778.5	778.5	777.3	776.6	776.9
17.5°	772.9	772.9	771.3	769.7	770.2
20°	766.5	766.3	764.0	762.3	762.1
22.5°	758.4	758.4	755.2	753.1	752.4
25°	748.5	748.3	744.6	741.6	741.2
27.5°	737.2	736.8	732.4	729.4	728.3
30°	723.2	722.7	718.1	714.9	713.5
32.5°	706.6	707.3	702.0	698.3	697.0
35°	687.7	687.7	683.6	679.7	677.4
37.5°	666.1	666.1	662.2	658.3	655.5
40°	641.5	641.7	637.6	632.7	630.4
42.5°	613.8	614.3	608.8	604.9	602.3
45°	583.7	583.9	577.9	573.5	571.5
47.5°	551.0	550.5	543.8	540.2	538.1
50°	516.0	515.1	507.7	504.2	502.4
52.5°	479.4	477.5	471.1	466.0	464.4
55°	441.4	438.8	430.8	425.7	425.3
57.5°	401.8	398.8	392.1	387.3	385.4
60°	358.5	357.8	352.3	346.5	345.1
62.5°	318.0	315.9	311.1	304.2	303.5
65°	274.7	273.5	269.2	262.7	261.3
67.5°	230.0	231.2	227.5	221.7	219.9
70°	189.7	190.4	186.3	181.0	180.3
72.5°	149.2	150.4	146.9	143.4	142.8
75°	112.1	112.6	111.0	108.0	105.7
77.5°	79.7	81.3	79.4	77.4	75.5
80°	55.5	53.0	53.2	52.3	50.2
82.5°	33.4	32.2	32.0	31.1	30.2
85°	16.8	16.6	16.8	16.6	15.7
87.5°	5.5	6.0	6.2	6.2	5.8
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)