

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: P412296

Luminaire Tested: **14PD-30-PB1-L935**

Issue Date: 9/15/2020



**Test Information**

Test Method: LM-79-08  
Report Number: P412296  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2008-911-56)  
Test Lab: INNOVATION CENTER  
Issue Date: 9/15/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: 14PD-30-PB1-L935  
Description: 3000 LUMEN 1X4 PERCEIVE LED TROFFER WITH BEVEL PATTERN OPTICS AND 90 CRI, 3500 CCT LEDS  
Light Source: -  
Ballast/Driver: -

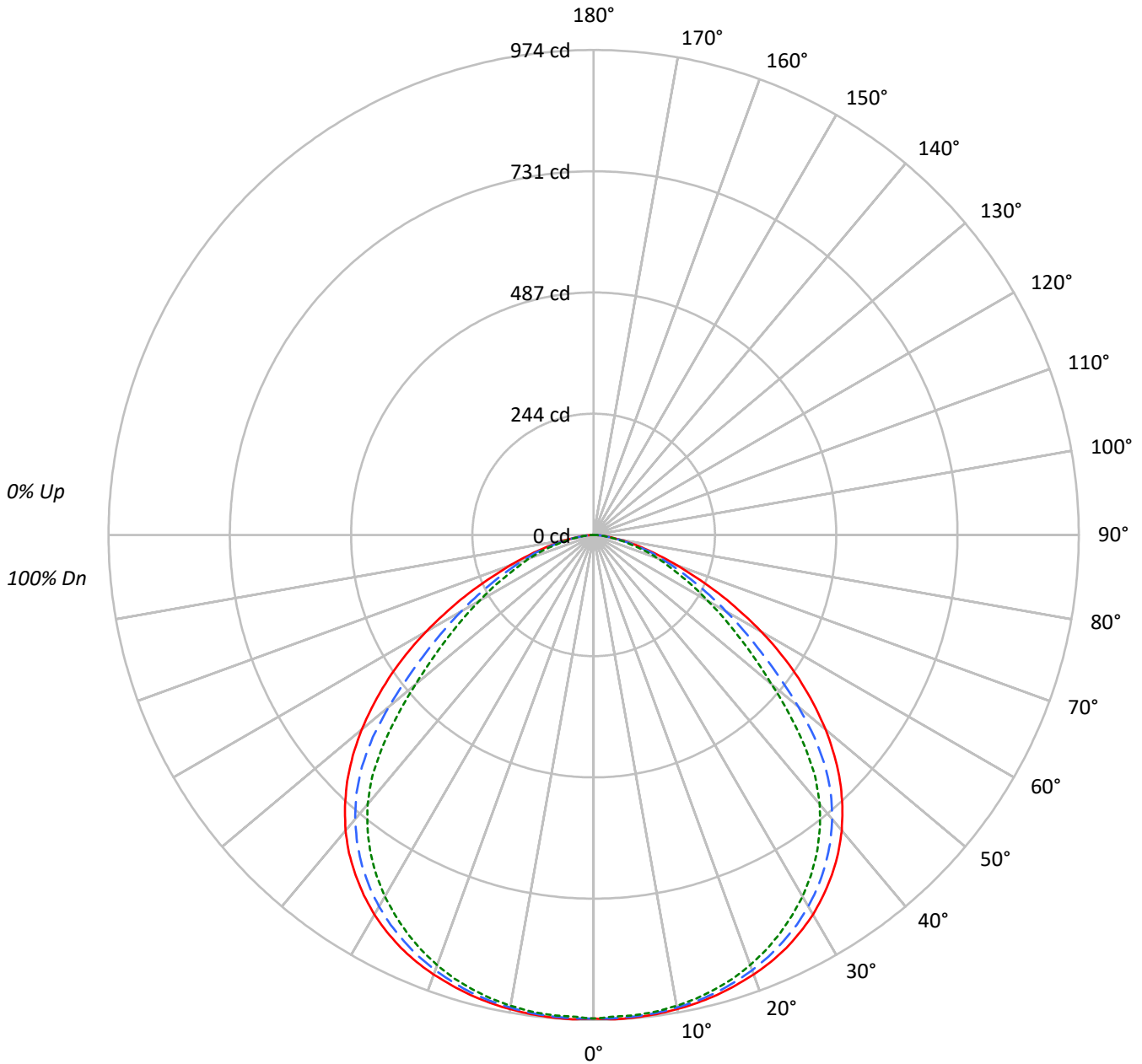
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2504.0 lumens  
Efficiency: N/A  
Efficacy: 92.7 lumens/watt  
Spacing Criteria (0/90/45): 1.34 / 1.28 / 1.38  
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	99	107	104	100	97	99	96	94	95	93	91	92	90	88	86			
2	101	93	87	82	98	92	86	81	88	83	79	85	81	77	82	79	76	74			
3	93	83	75	69	90	81	74	69	78	72	67	76	71	66	73	69	65	63			
4	85	74	66	59	83	73	65	59	70	63	58	68	62	57	66	61	57	55			
5	78	66	58	51	76	65	57	51	63	56	51	61	55	50	59	54	50	48			
6	73	60	51	45	71	59	51	45	57	50	45	56	49	44	54	48	44	42			
7	67	54	46	40	66	54	46	40	52	45	40	51	44	39	49	44	39	37			
8	63	50	42	36	61	49	41	36	48	41	36	47	40	35	45	40	35	33			
9	59	46	38	32	57	45	37	32	44	37	32	43	37	32	42	36	32	30			
10	55	42	34	29	54	42	34	29	41	34	29	40	33	29	39	33	29	27			

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

	0°	45°	90°
0°	2614	2614	2614
5°	2628	2622	2615
10°	2643	2634	2624
15°	2664	2651	2631
20°	2690	2664	2632
25°	2718	2675	2624
30°	2736	2678	2605
35°	2738	2663	2565
40°	2722	2617	2480
45°	2663	2503	2277
50°	2545	2242	1952
55°	2357	1922	1666
60°	2093	1650	1425
65°	1757	1407	1219
70°	1393	1197	1076
75°	1089	976	856
80°	812	727	657
85°	540	475	435



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	92.4	3.7
10°-20°	268.4	10.7
20°-30°	414.5	16.6
30°-40°	504.5	20.1
40°-50°	499.2	19.9
50°-60°	376.2	15.0
60°-70°	226.0	9.0
70°-80°	101.9	4.1
80°-90°	20.9	0.8
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°	775.3	31.0
0°-40°	1279.9	51.1
0°-60°	2155.3	86.1
0°-90°	2504.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2504.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	971	971	971	971	971	
5°	973	969	971	970	968	93
15°	956	952	952	948	944	270
25°	915	908	901	889	884	422
35°	834	824	811	791	781	521
45°	700	688	658	617	598	538
55°	502	467	410	370	355	447
65°	276	250	221	198	192	274
75°	105	99	94	85	82	114
85°	18	18	15	14	14	22
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	971.4	971.4	971.4	971.4	971.4
2.5°	973.9	969.7	971.8	971.4	968.1
5°	972.7	968.9	970.6	969.7	968.1
7.5°	970.6	966.8	968.1	966.8	965.2
10°	967.2	963.1	963.9	961.4	960.2
12.5°	962.7	957.7	958.5	955.2	953.5
15°	956.4	951.9	951.5	947.7	944.4
17.5°	948.6	944.0	941.5	937.3	933.6
20°	939.4	933.6	930.3	922.8	919.1
22.5°	928.6	922.4	917.0	906.6	902.8
25°	915.3	908.3	900.8	888.7	883.7
27.5°	899.1	891.6	882.9	869.6	862.1
30°	880.4	872.5	861.7	846.3	838.4
32.5°	858.4	849.7	838.0	819.8	811.4
35°	833.5	824.3	810.6	790.7	780.7
37.5°	806.5	796.1	779.9	755.8	745.8
40°	774.9	764.5	745.0	717.1	705.9
42.5°	739.1	728.8	705.1	671.8	658.1
45°	699.7	687.6	657.7	617.4	598.3
47.5°	655.6	640.3	601.2	551.8	532.7
50°	607.9	587.5	535.6	484.9	466.2
52.5°	555.9	530.2	470.3	425.0	407.2
55°	502.3	467.0	409.7	369.8	355.2
57.5°	446.6	404.3	356.5	321.6	307.9
60°	388.9	347.8	306.6	274.6	264.7
62.5°	329.9	296.2	262.2	232.7	227.3
65°	275.9	250.1	221.0	197.8	191.5
67.5°	221.5	206.9	184.5	168.7	161.6
70°	177.0	167.4	152.1	139.2	136.7
72.5°	138.4	132.1	126.3	115.1	110.5
75°	104.7	99.3	93.9	85.2	82.3
77.5°	75.6	73.5	69.0	63.2	61.9
80°	52.4	52.4	46.9	43.6	42.4
82.5°	32.4	35.3	29.5	27.4	26.2
85°	17.5	17.9	15.4	14.5	14.1
87.5°	6.6	7.5	7.1	5.8	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)