

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: P384062

Luminaire Tested: **14ID-30-L830-CFD1**

Issue Date: 2/25/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P384062  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1911-572-67)  
Test Lab: INNOVATION CENTER (G2)  
Issue Date: 2/25/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: 14ID-30-L830-CFD1  
Description: 1X4 IN DEPTH TROFFER WITH 1INCH DROP CUBE LENS

Light Source: -  
Ballast/Driver: -

**Summary**

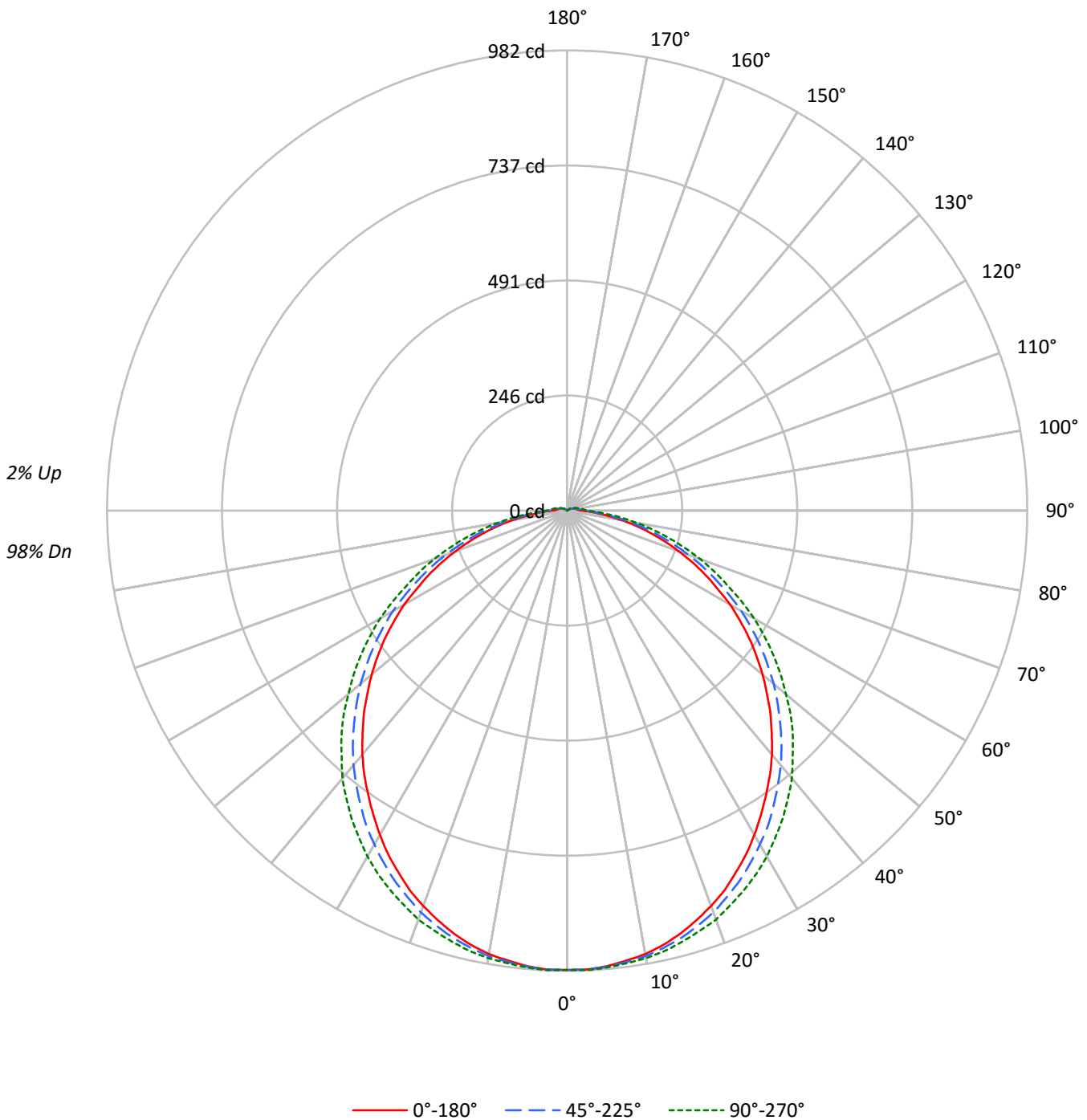
Lumens per Lamp: N/A  
Luminaire Lumens: 2903.0 lumens  
Efficiency: N/A  
Efficacy: 117.1 lumens/watt  
Spacing Criteria (0/90/45): 1.21 / 1.29 / 1.37  
Luminous Opening: Rectangular w/ Sides (W: 1' x L: 4' x H: 0.08')  
CIE Type: Direct

Input Watts (W): 24.8  
Input Voltage (V): NR  
Input Current (Ain): 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	0
RCR																				
0	119	119	119	119	116	116	116	116	110	110	110		105	105	105		100	100	100	98
1	108	103	98	94	105	100	96	92	96	92	89		91	88	86		87	85	83	81
2	98	89	82	76	95	87	81	75	83	78	73		80	75	71		76	73	69	67
3	89	78	70	63	86	76	69	63	73	67	61		70	64	60		67	62	58	56
4	81	69	60	53	79	68	59	53	65	58	52		62	56	51		60	55	50	48
5	75	62	53	46	73	61	52	46	58	51	45		56	49	44		54	48	44	41
6	69	56	47	40	67	55	46	40	52	45	39		51	44	39		49	43	38	36
7	64	50	42	35	62	49	41	35	48	40	35		46	39	34		45	39	34	32
8	60	46	37	32	58	45	37	31	44	36	31		42	36	31		41	35	30	28
9	56	42	34	28	54	41	34	28	40	33	28		39	32	28		38	32	27	26
10	52	39	31	26	51	38	31	26	37	30	25		36	30	25		35	29	25	23

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

	0°	45°	90°
0°	2638	2638	2638
5°	2631	2623	2625
10°	2617	2604	2612
15°	2589	2577	2595
20°	2552	2545	2581
25°	2506	2501	2553
30°	2454	2452	2526
35°	2397	2400	2490
40°	2347	2347	2450
45°	2288	2280	2394
50°	2224	2215	2320
55°	2159	2137	2252
60°	2087	2052	2167
65°	1991	1926	2036
70°	1884	1801	1932
75°	1761	1633	1774
80°	1631	1432	1580
85°	1579	1234	1351



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	92.8	3.2
10°-20°	266.1	9.2
20°-30°	401.8	13.8
30°-40°	481.4	16.6
40°-50°	497.7	17.1
50°-60°	450.7	15.5
60°-70°	348.8	12.0
70°-80°	214.2	7.4
80°-90°	85.1	2.9
90°-100°	31.1	1.1
100°-110°	19.1	0.7
110°-120°	9.8	0.3
120°-130°	4.2	0.1
130°-140°	0.3	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°	760.7	26.2
0°-40°	1242.1	42.8
0°-60°	2190.5	75.5
0°-90°	2838.6	97.8
90°-120°	60.0	2.1
90°-150°	64.4	2.2
90°-180°	64.0	2.2
0°-180°	2903.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	980	980	980	980	980	
5°	976	976	977	977	979	93
15°	935	936	943	949	952	263
25°	852	858	871	886	893	393
35°	740	749	768	789	802	463
45°	614	621	643	670	681	473
55°	474	484	503	525	537	423
65°	327	334	350	368	377	323
75°	182	191	200	213	224	194
85°	63	68	74	81	85	63
90°	29	34	37	41	44	17
95°	22	25	28	31	34	18
105°	16	16	18	19	21	17
115°	10	9	9	10	12	10
125°	6	4	3	4	6	5
135°	0	0	0	0	0	0
145°	0	0	0	0	0	0
155°	0	0	0	0	0	0
165°	0	0	0	0	0	0
175°	0	0	0	0	0	0
180°	0	0	0	0	0	0



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	980.2	980.2	980.2	980.2	980.2
2.5°	980.2	978.7	980.2	980.2	981.7
5°	975.8	975.8	977.2	977.2	978.7
7.5°	968.4	968.4	971.4	972.8	974.3
10°	961.1	961.1	965.5	966.9	969.9
12.5°	949.3	950.8	955.2	959.6	962.5
15°	934.6	936.0	943.4	949.3	952.2
17.5°	916.9	919.8	928.7	937.5	940.4
20°	897.8	902.2	912.5	922.8	928.7
22.5°	877.2	880.1	891.9	905.1	911.0
25°	852.1	858.0	871.3	886.0	893.4
27.5°	827.1	833.0	847.7	865.4	874.2
30°	799.2	805.0	822.7	841.8	852.1
32.5°	769.7	777.1	797.7	816.8	827.1
35°	740.3	749.1	768.3	788.9	802.1
37.5°	710.9	718.2	738.8	760.9	774.1
40°	679.9	687.3	709.4	731.5	746.2
42.5°	646.1	654.9	677.0	700.6	712.3
45°	613.7	621.1	643.2	669.6	681.4
47.5°	578.4	588.7	609.3	634.3	647.6
50°	544.5	553.4	575.5	599.0	609.3
52.5°	509.2	518.1	538.7	562.2	574.0
55°	473.9	484.2	503.3	525.4	537.2
57.5°	437.1	447.4	466.5	485.7	498.9
60°	401.8	412.1	429.8	448.9	460.7
62.5°	362.1	370.9	390.0	410.6	419.4
65°	326.7	334.1	350.3	367.9	376.8
67.5°	289.9	298.8	313.5	329.7	340.0
70°	253.1	263.4	275.2	289.9	301.7
72.5°	217.8	226.6	237.0	251.7	262.0
75°	182.5	191.3	200.2	213.4	223.7
77.5°	151.6	156.0	164.8	176.6	186.9
80°	117.7	123.6	131.0	142.8	150.1
82.5°	88.3	94.2	100.1	108.9	116.3
85°	63.3	67.7	73.6	80.9	85.4
87.5°	42.7	47.1	51.5	57.4	61.8
90°	29.4	33.9	36.8	41.2	44.2
92.5°	25.0	28.0	30.9	33.9	36.8
95°	22.1	25.0	28.0	30.9	33.9
97.5°	20.6	22.1	25.0	28.0	29.4
100°	19.1	20.6	22.1	25.0	26.5
102.5°	17.7	17.7	20.6	22.1	23.5
105°	16.2	16.2	17.7	19.1	20.6
107.5°	14.7	14.7	16.2	16.2	19.1
110°	13.2	11.8	13.2	13.2	16.2



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	11.8	10.3	11.8	11.8	13.2
115°	10.3	8.8	8.8	10.3	11.8
117.5°	8.8	7.4	7.4	7.4	10.3
120°	8.8	7.4	5.9	5.9	8.8
122.5°	7.4	5.9	4.4	5.9	7.4
125°	5.9	4.4	2.9	4.4	5.9
127.5°	4.4	4.4	1.5	2.9	4.4
130°	4.4	2.9	1.5	2.9	2.9
132.5°	0.0	0.0	0.0	0.0	0.0
135°	0.0	0.0	0.0	0.0	0.0
137.5°	0.0	0.0	0.0	0.0	0.0
140°	0.0	0.0	0.0	0.0	0.0
142.5°	0.0	0.0	0.0	0.0	0.0
145°	0.0	0.0	0.0	0.0	0.0
147.5°	0.0	0.0	0.0	0.0	0.0
150°	0.0	0.0	0.0	0.0	0.0
152.5°	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.0	0.0	0.0	0.0
157.5°	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0
162.5°	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)