

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: P384066

Luminaire Tested: **14ID-35-L830-CFD1**

Issue Date: 2/25/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P384066  
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-35-L830-CFD1  
Description: 1X4 IN DEPTH TROFFER WITH 1INCH DROP CUBE LENS

Light Source: -  
Ballast/Driver: -

**Summary**

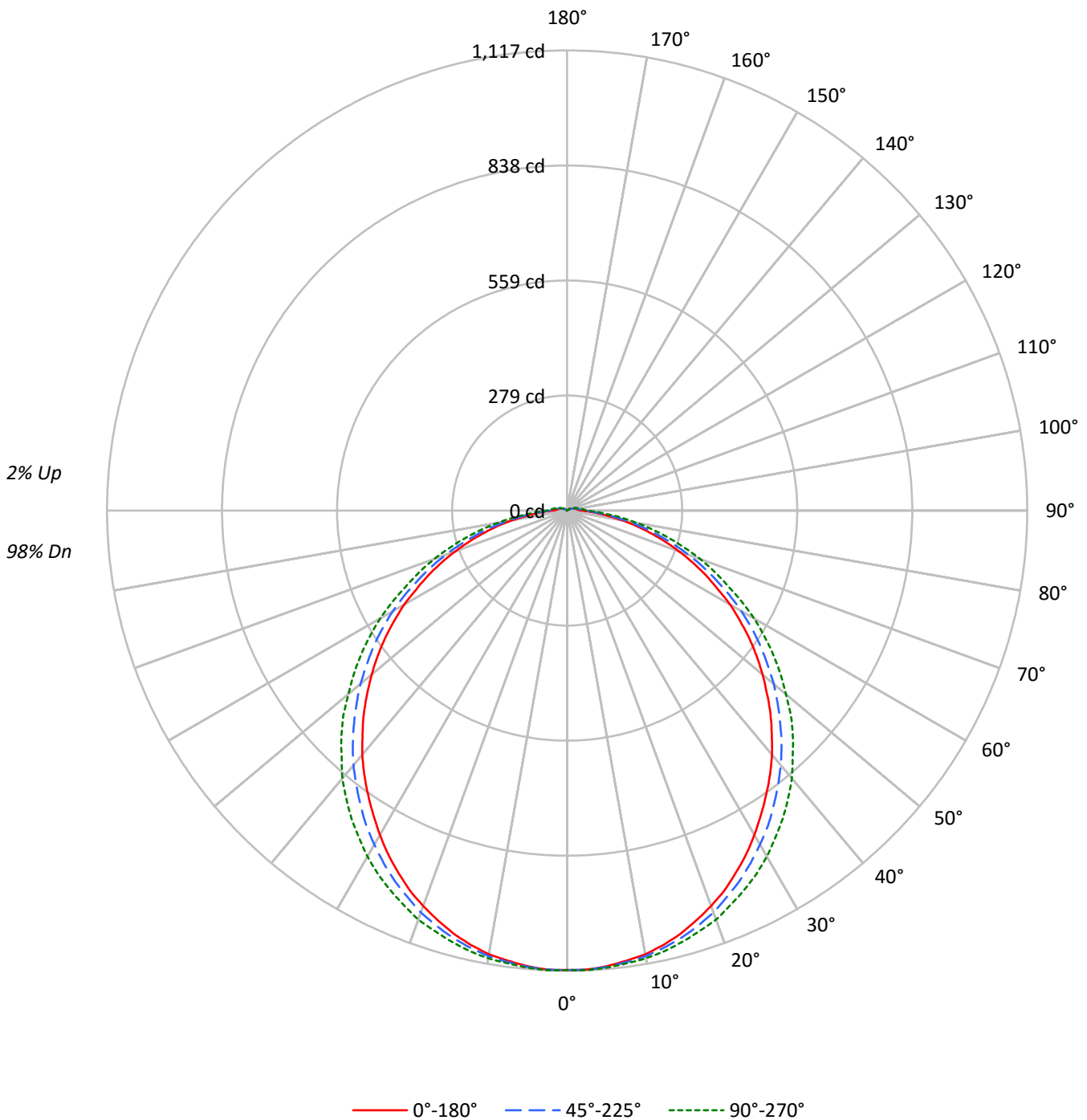
Lumens per Lamp: N/A  
Luminaire Lumens: 3302.8 lumens  
Efficiency: N/A  
Efficacy: 116.3 lumens/watt  
Spacing Criteria (0/90/45): 1.21 / 1.29 / 1.37  
Luminous Opening: Rectangular w/ Sides (W: 1' x L: 4' x H: 0.08')  
CIE Type: Direct

Input Watts (W): 28.4  
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
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10
RCR																	
0	119	119	119	119	116	116	116	116	110	110	110	105	105	105	100	100	100
1	108	103	98	94	105	100	96	92	96	92	89	91	88	86	87	85	83
2	98	89	82	76	95	87	81	75	83	78	73	80	75	71	76	73	69
3	89	78	70	63	86	76	69	63	73	67	61	70	64	60	67	62	58
4	81	69	60	53	79	68	59	53	65	58	52	62	56	51	60	55	50
5	75	62	53	46	73	61	52	46	58	51	45	56	49	44	54	48	44
6	69	56	47	40	67	55	46	40	52	45	39	51	44	39	49	43	38
7	64	50	42	35	62	49	41	35	48	40	35	46	39	34	45	39	34
8	60	46	37	32	58	45	37	31	44	36	31	42	36	31	41	35	30
9	56	42	34	28	54	41	34	28	40	33	28	39	32	28	38	32	27
10	52	39	31	26	51	38	31	26	37	30	25	36	30	25	35	29	25

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

	0°	45°	90°
0°	3001	3001	3001
5°	2993	2984	2986
10°	2977	2963	2972
15°	2946	2932	2952
20°	2903	2895	2937
25°	2851	2846	2905
30°	2792	2790	2874
35°	2727	2731	2833
40°	2671	2670	2787
45°	2603	2594	2724
50°	2531	2520	2640
55°	2457	2431	2563
60°	2374	2334	2465
65°	2266	2191	2316
70°	2143	2049	2198
75°	2003	1857	2019
80°	1857	1629	1798
85°	1796	1403	1536



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	105.6	3.2
10°-20°	302.8	9.2
20°-30°	457.1	13.8
30°-40°	547.7	16.6
40°-50°	566.2	17.1
50°-60°	512.8	15.5
60°-70°	396.8	12.0
70°-80°	243.7	7.4
80°-90°	96.9	2.9
90°-100°	35.3	1.1
100°-110°	21.7	0.7
110°-120°	11.2	0.3
120°-130°	4.8	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°	865.5	26.2
0°-40°	1413.1	42.8
0°-60°	2492.1	75.5
0°-90°	3229.5	97.8
90°-120°	68.2	2.1
90°-150°	73.3	2.2
90°-180°	73.0	2.2
0°-180°	3302.8	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1115	1115	1115	1115	1115	
5°	1110	1110	1112	1112	1114	105
15°	1063	1065	1073	1080	1083	300
25°	970	976	991	1008	1016	447
35°	842	852	874	898	913	527
45°	698	707	732	762	775	538
55°	539	551	573	598	611	482
65°	372	380	398	419	429	368
75°	208	218	228	243	254	221
85°	72	77	84	92	97	72
90°	34	38	42	47	50	20
95°	25	28	32	35	38	20
105°	18	18	20	22	23	20
115°	12	10	10	12	13	12
125°	7	5	3	5	7	6
135°	0	0	0	0	0	1
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°	1115.2	1115.2	1115.2	1115.2	1115.2
2.5°	1115.2	1113.5	1115.2	1115.2	1116.9
5°	1110.2	1110.2	1111.8	1111.8	1113.5
7.5°	1101.8	1101.8	1105.1	1106.8	1108.5
10°	1093.4	1093.4	1098.4	1100.1	1103.5
12.5°	1080.0	1081.7	1086.7	1091.7	1095.1
15°	1063.3	1064.9	1073.3	1080.0	1083.4
17.5°	1043.2	1046.5	1056.6	1066.6	1070.0
20°	1021.4	1026.4	1038.2	1049.9	1056.6
22.5°	998.0	1001.3	1014.7	1029.8	1036.5
25°	969.5	976.2	991.3	1008.0	1016.4
27.5°	941.0	947.7	964.5	984.6	994.6
30°	909.2	915.9	936.0	957.8	969.5
32.5°	875.7	884.1	907.5	929.3	941.0
35°	842.2	852.3	874.1	897.5	912.6
37.5°	808.8	817.1	840.6	865.7	880.8
40°	773.6	782.0	807.1	832.2	848.9
42.5°	735.1	745.1	770.2	797.0	810.4
45°	698.2	706.6	731.7	761.9	775.3
47.5°	658.1	669.8	693.2	721.7	736.8
50°	619.5	629.6	654.7	681.5	693.2
52.5°	579.4	589.4	612.8	639.6	653.0
55°	539.2	550.9	572.7	597.8	611.2
57.5°	497.3	509.0	530.8	552.6	567.6
60°	457.1	468.8	488.9	510.7	524.1
62.5°	411.9	422.0	443.7	467.2	477.2
65°	371.7	380.1	398.5	418.6	428.7
67.5°	329.9	339.9	356.7	375.1	386.8
70°	288.0	299.7	313.1	329.9	343.3
72.5°	247.8	257.9	269.6	286.3	298.1
75°	207.6	217.7	227.7	242.8	254.5
77.5°	172.5	177.5	187.5	200.9	212.7
80°	134.0	140.7	149.0	162.4	170.8
82.5°	100.5	107.2	113.9	123.9	132.3
85°	72.0	77.0	83.7	92.1	97.1
87.5°	48.6	53.6	58.6	65.3	70.3
90°	33.5	38.5	41.9	46.9	50.2
92.5°	28.5	31.8	35.2	38.5	41.9
95°	25.1	28.5	31.8	35.2	38.5
97.5°	23.4	25.1	28.5	31.8	33.5
100°	21.8	23.4	25.1	28.5	30.1
102.5°	20.1	20.1	23.4	25.1	26.8
105°	18.4	18.4	20.1	21.8	23.4
107.5°	16.7	16.7	18.4	18.4	21.8
110°	15.1	13.4	15.1	15.1	18.4



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	13.4	11.7	13.4	13.4	15.1
115°	11.7	10.0	10.0	11.7	13.4
117.5°	10.0	8.4	8.4	8.4	11.7
120°	10.0	8.4	6.7	6.7	10.0
122.5°	8.4	6.7	5.0	6.7	8.4
125°	6.7	5.0	3.3	5.0	6.7
127.5°	5.0	5.0	1.7	3.3	5.0
130°	5.0	3.3	1.7	3.3	3.3
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)