

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: P384290

Luminaire Tested: **22ID-35-L830-CFD2**

Issue Date: 2/25/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P384290  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1911-572-68)  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 2/25/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: 22ID-35-L830-CFD2  
Description: 2X2 IN DEPTH TROFFER WITH 2INCH DROP CUBE LENS

Light Source: -  
Ballast/Driver: -

**Summary**

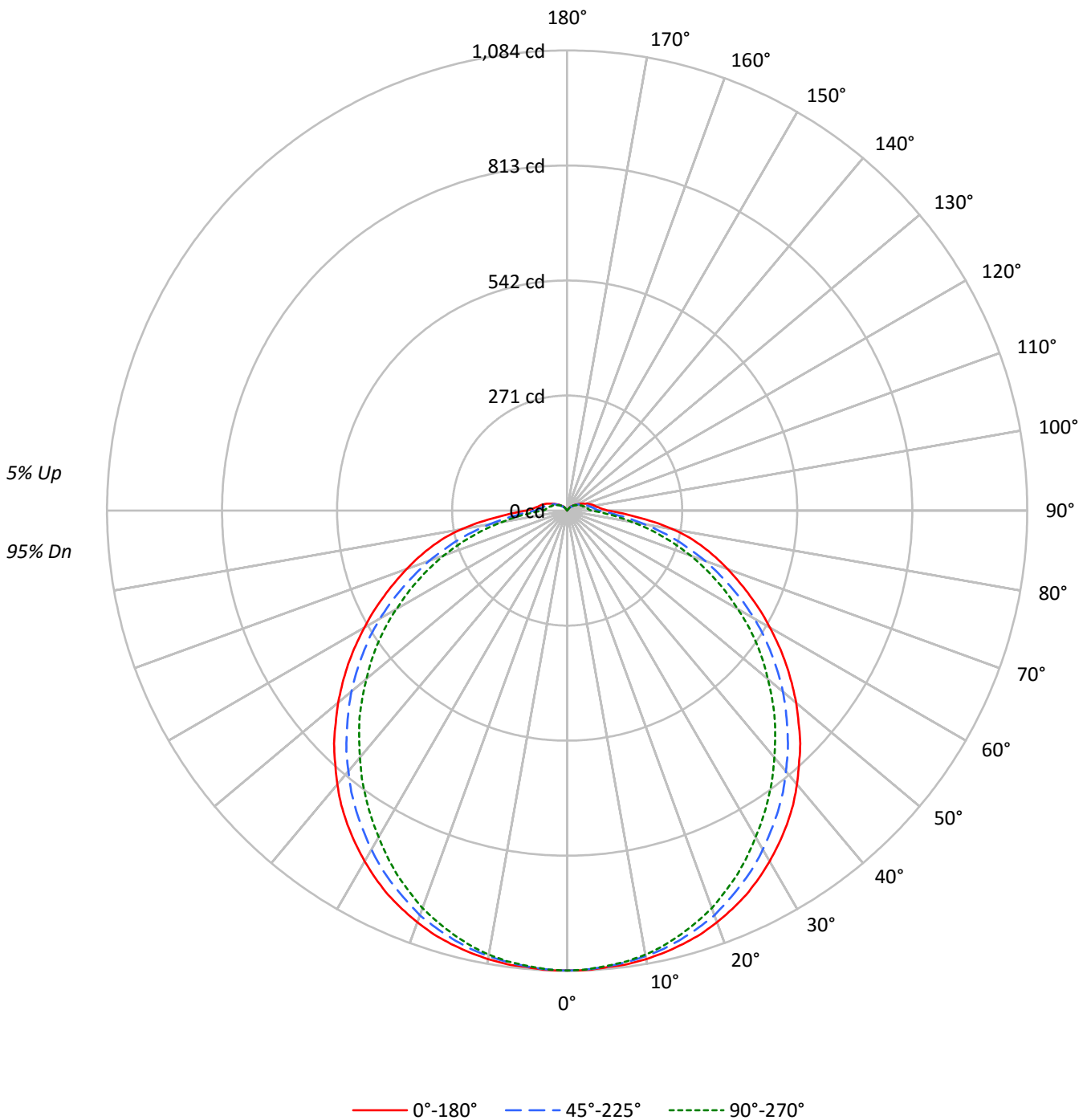
Lumens per Lamp: N/A  
Luminaire Lumens: 3514.2 lumens  
Efficiency: N/A  
Efficacy: 122.0 lumens/watt  
Spacing Criteria (0/90/45): 1.31 / 1.22 / 1.38  
Luminous Opening: Rectangular w/ Sides (W: 2' x L: 2' x H: 0.17')  
CIE Type: Direct

Input Watts (W): 28.8  
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	118	118	118	118	114	114	114	114	108	108	108	102	102	102	97	97	97	95
1	106	101	96	92	103	98	94	90	93	90	86	88	85	83	84	81	79	77
2	96	87	80	74	93	85	78	73	81	75	70	77	72	68	73	69	66	63
3	87	76	68	61	84	74	67	60	71	64	58	67	62	57	64	59	55	53
4	80	68	58	51	77	66	57	51	63	55	50	60	53	48	57	51	47	45
5	73	60	51	44	71	59	50	44	56	48	43	53	47	42	51	45	41	38
6	68	54	45	38	65	53	44	38	50	43	37	48	42	36	46	40	36	33
7	63	49	40	34	61	48	39	33	46	38	33	44	37	32	42	36	32	30
8	58	45	36	30	56	44	35	30	42	35	29	40	34	29	39	33	28	26
9	54	41	33	27	53	40	32	27	39	31	26	37	31	26	36	30	25	24
10	51	38	30	24	50	37	29	24	36	29	24	34	28	23	33	27	23	21

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

	0°	45°	90°
0°	2916	2916	2916
5°	2896	2883	2887
10°	2889	2853	2860
15°	2880	2821	2817
20°	2869	2785	2770
25°	2854	2735	2706
30°	2828	2683	2634
35°	2802	2626	2565
40°	2765	2562	2492
45°	2728	2500	2430
50°	2681	2435	2350
55°	2639	2357	2282
60°	2594	2275	2185
65°	2567	2163	2088
70°	2577	2055	1976
75°	2630	1908	1828
80°	2669	1713	1643
85°	2524	1539	1515



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	102.5	2.9
10°-20°	294.9	8.4
20°-30°	447.9	12.7
30°-40°	541.0	15.4
40°-50°	566.2	16.1
50°-60°	525.4	15.0
60°-70°	425.6	12.1
70°-80°	287.2	8.2
80°-90°	138.8	3.9
90°-100°	69.8	2.0
100°-110°	50.7	1.4
110°-120°	33.9	1.0
120°-130°	19.7	0.6
130°-140°	9.9	0.3
140°-150°	0.8	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	845.3	24.1
0°-40°	1386.3	39.4
0°-60°	2477.9	70.5
0°-90°	3329.4	94.7
90°-120°	154.4	4.4
90°-150°	184.8	5.3
90°-180°	185.0	5.3
0°-180°	3514.2	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1084	1084	1084	1084	1084	
5°	1080	1078	1078	1076	1076	103
15°	1057	1052	1044	1037	1034	299
25°	998	990	972	954	947	460
35°	903	890	865	839	826	565
45°	777	762	734	704	692	598
55°	630	615	587	559	544	563
65°	475	458	426	402	387	472
75°	332	298	264	245	230	349
85°	160	138	117	106	96	151
90°	96	87	74	67	57	55
95°	76	71	64	57	50	60
105°	57	53	48	43	39	61
115°	39	36	36	30	30	39
125°	25	21	23	20	21	22
135°	14	12	12	12	14	11
145°	0	0	0	0	0	1
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°	1083.5	1083.5	1083.5	1083.5	1083.5
2.5°	1083.5	1081.7	1081.7	1081.7	1081.7
5°	1079.9	1078.2	1078.2	1076.4	1076.4
7.5°	1078.2	1074.6	1072.9	1071.1	1071.1
10°	1072.9	1069.3	1065.8	1062.2	1062.2
12.5°	1065.8	1062.2	1056.9	1049.8	1049.8
15°	1056.9	1051.6	1044.5	1037.4	1033.8
17.5°	1046.3	1040.9	1030.3	1019.7	1016.1
20°	1032.1	1025.0	1014.3	1000.1	996.6
22.5°	1016.1	1009.0	993.1	978.9	971.8
25°	998.4	989.5	971.8	954.0	946.9
27.5°	977.1	968.2	948.7	927.4	918.6
30°	954.0	943.4	922.1	899.1	888.4
32.5°	929.2	916.8	893.7	868.9	858.3
35°	902.6	890.2	865.4	838.8	826.4
37.5°	874.2	861.8	835.2	806.9	794.4
40°	842.3	829.9	801.5	773.2	759.0
42.5°	808.6	798.0	769.6	739.5	725.3
45°	776.7	762.5	734.2	704.0	691.6
47.5°	739.5	728.8	698.7	668.5	654.4
50°	704.0	691.6	663.2	633.1	617.1
52.5°	666.8	656.1	626.0	595.8	581.6
55°	629.5	615.3	587.0	558.6	544.4
57.5°	590.5	578.1	549.7	523.1	505.4
60°	551.5	539.1	508.9	484.1	464.6
62.5°	514.3	500.1	468.2	441.6	425.6
65°	475.2	457.5	425.6	402.5	386.6
67.5°	438.0	416.7	384.8	363.5	347.6
70°	402.5	377.7	345.8	324.5	308.6
72.5°	367.1	336.9	303.2	283.7	269.5
75°	331.6	297.9	264.2	244.7	230.5
77.5°	296.1	257.1	223.4	207.5	193.3
80°	253.6	216.3	184.4	170.2	156.1
82.5°	205.7	175.6	149.0	134.8	124.1
85°	159.6	138.3	117.0	106.4	95.8
87.5°	124.1	108.2	92.2	83.3	74.5
90°	95.8	86.9	74.5	67.4	56.7
92.5°	83.3	76.3	67.4	60.3	51.4
95°	76.3	70.9	63.8	56.7	49.7
97.5°	69.2	65.6	58.5	53.2	46.1
100°	65.6	60.3	55.0	49.7	44.3
102.5°	62.1	56.7	51.4	46.1	42.6
105°	56.7	53.2	47.9	42.6	39.0
107.5°	53.2	47.9	44.3	39.0	37.2
110°	47.9	44.3	40.8	37.2	35.5



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	42.6	40.8	37.2	33.7	31.9
115°	39.0	35.5	35.5	30.1	30.1
117.5°	35.5	31.9	31.9	28.4	28.4
120°	30.1	28.4	28.4	24.8	24.8
122.5°	26.6	24.8	24.8	23.1	23.1
125°	24.8	21.3	23.1	19.5	21.3
127.5°	21.3	19.5	19.5	17.7	19.5
130°	17.7	16.0	16.0	16.0	17.7
132.5°	16.0	14.2	14.2	14.2	16.0
135°	14.2	12.4	12.4	12.4	14.2
137.5°	12.4	10.6	8.9	10.6	12.4
140°	10.6	8.9	7.1	8.9	10.6
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)