

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: P384291

Luminaire Tested: **22ID-35-L835-CFD2**

Issue Date: 2/25/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P384291  
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-L835-CFD2  
Description: 2X2 IN DEPTH TROFFER WITH 2INCH DROP CUBE LENS

Light Source: -  
Ballast/Driver: -

**Summary**

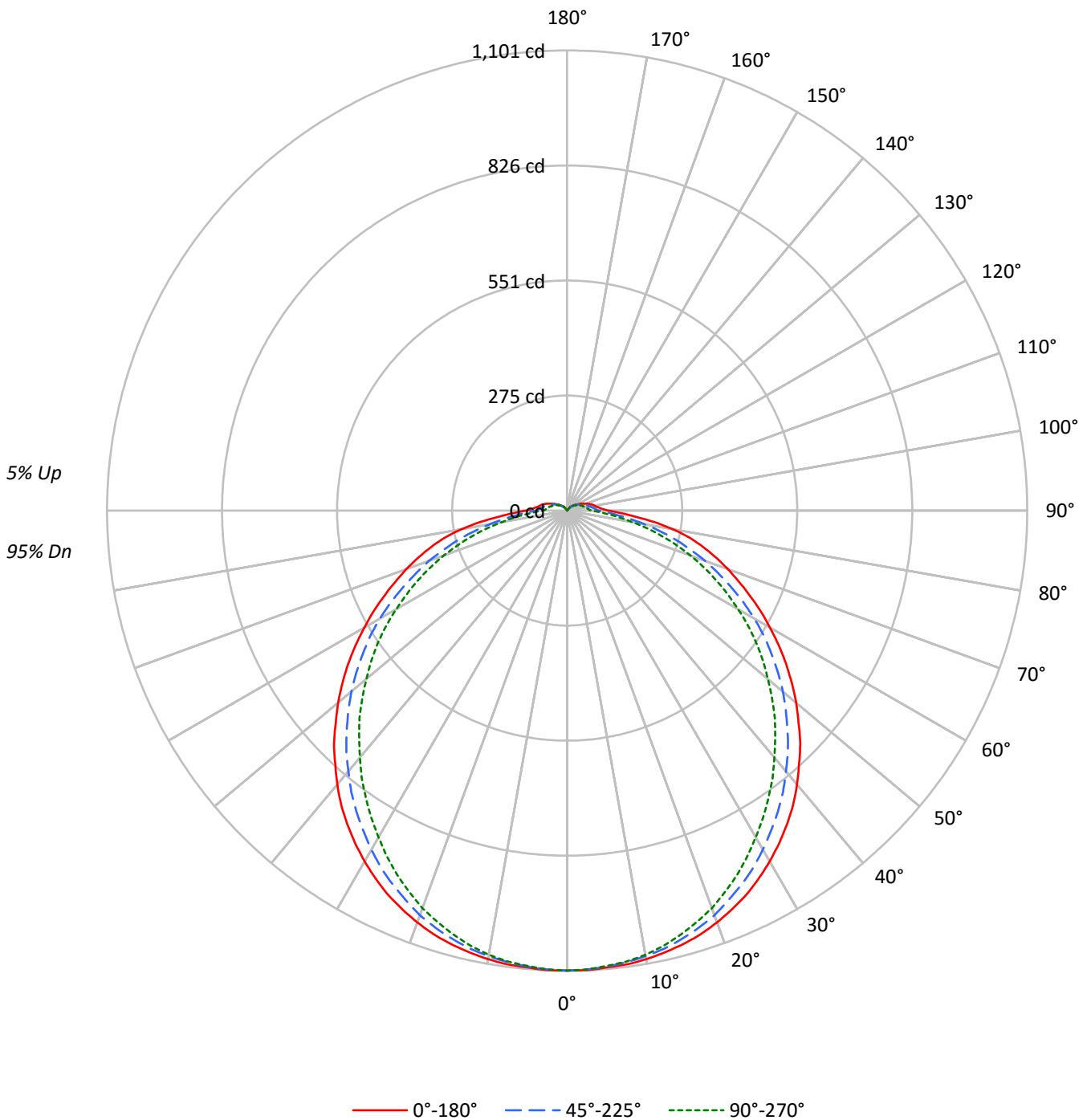
Lumens per Lamp: N/A  
Luminaire Lumens: 3569.9 lumens  
Efficiency: N/A  
Efficacy: 124.0 lumens/watt  
Spacing Criteria (0/90/45): 1.31 / 1.22 / 1.38  
Luminous Opening: Rectangular w/ Sides (W: 2' x L: 2' x H: 0.17')  
CIE Type: Direct

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

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

	0°	45°	90°
0°	2962	2962	2962
5°	2942	2928	2932
10°	2935	2898	2906
15°	2926	2866	2862
20°	2914	2829	2814
25°	2899	2778	2749
30°	2873	2725	2676
35°	2846	2668	2606
40°	2809	2603	2531
45°	2772	2539	2468
50°	2724	2473	2387
55°	2681	2395	2319
60°	2635	2311	2220
65°	2608	2198	2121
70°	2618	2088	2007
75°	2672	1938	1857
80°	2711	1741	1668
85°	2563	1564	1539



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	104.2	2.9
10°-20°	299.6	8.4
20°-30°	455.0	12.7
30°-40°	549.6	15.4
40°-50°	575.2	16.1
50°-60°	533.7	15.0
60°-70°	432.3	12.1
70°-80°	291.7	8.2
80°-90°	141.0	3.9
90°-100°	70.9	2.0
100°-110°	51.5	1.4
110°-120°	34.4	1.0
120°-130°	20.0	0.6
130°-140°	10.1	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°	858.7	24.1
0°-40°	1408.3	39.4
0°-60°	2517.3	70.5
0°-90°	3382.3	94.7
90°-120°	156.8	4.4
90°-150°	187.6	5.3
90°-180°	188.0	5.3
0°-180°	3569.9	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1101	1101	1101	1101	1101	
5°	1097	1095	1095	1094	1094	105
15°	1074	1068	1061	1054	1050	303
25°	1014	1005	987	969	962	467
35°	917	904	879	852	840	574
45°	789	775	746	715	703	608
55°	640	625	596	568	553	572
65°	483	465	432	409	393	479
75°	337	303	268	249	234	355
85°	162	140	119	108	97	153
90°	97	88	76	68	58	56
95°	78	72	65	58	50	61
105°	58	54	49	43	40	62
115°	40	36	36	31	31	39
125°	25	22	23	20	22	22
135°	14	13	13	13	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°	1100.7	1100.7	1100.7	1100.7	1100.7
2.5°	1100.7	1098.9	1098.9	1098.9	1098.9
5°	1097.1	1095.3	1095.3	1093.5	1093.5
7.5°	1095.3	1091.7	1089.9	1088.1	1088.1
10°	1089.9	1086.3	1082.7	1079.1	1079.1
12.5°	1082.7	1079.1	1073.7	1066.5	1066.5
15°	1073.7	1068.3	1061.1	1053.9	1050.3
17.5°	1062.9	1057.5	1046.7	1035.8	1032.2
20°	1048.5	1041.2	1030.4	1016.0	1012.4
22.5°	1032.2	1025.0	1008.8	994.4	987.2
25°	1014.2	1005.2	987.2	969.2	962.0
27.5°	992.6	983.6	963.8	942.2	933.2
30°	969.2	958.4	936.8	913.3	902.5
32.5°	944.0	931.4	907.9	882.7	871.9
35°	916.9	904.3	879.1	852.1	839.5
37.5°	888.1	875.5	848.5	819.7	807.1
40°	855.7	843.1	814.3	785.4	771.0
42.5°	821.5	810.7	781.8	751.2	736.8
45°	789.0	774.6	745.8	715.2	702.6
47.5°	751.2	740.4	709.8	679.2	664.7
50°	715.2	702.6	673.7	643.1	626.9
52.5°	677.4	666.5	635.9	605.3	590.9
55°	639.5	625.1	596.3	567.5	553.1
57.5°	599.9	587.3	558.5	531.4	513.4
60°	560.3	547.6	517.0	491.8	472.0
62.5°	522.4	508.0	475.6	448.6	432.4
65°	482.8	464.8	432.4	408.9	392.7
67.5°	445.0	423.3	390.9	369.3	353.1
70°	408.9	383.7	351.3	329.7	313.5
72.5°	372.9	342.3	308.1	288.2	273.8
75°	336.9	302.6	268.4	248.6	234.2
77.5°	300.8	261.2	227.0	210.8	196.4
80°	257.6	219.8	187.4	172.9	158.5
82.5°	209.0	178.3	151.3	136.9	126.1
85°	162.1	140.5	118.9	108.1	97.3
87.5°	126.1	109.9	93.7	84.7	75.7
90°	97.3	88.3	75.7	68.5	57.6
92.5°	84.7	77.5	68.5	61.2	52.2
95°	77.5	72.1	64.9	57.6	50.4
97.5°	70.3	66.7	59.4	54.0	46.8
100°	66.7	61.2	55.8	50.4	45.0
102.5°	63.1	57.6	52.2	46.8	43.2
105°	57.6	54.0	48.6	43.2	39.6
107.5°	54.0	48.6	45.0	39.6	37.8
110°	48.6	45.0	41.4	37.8	36.0



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	43.2	41.4	37.8	34.2	32.4
115°	39.6	36.0	36.0	30.6	30.6
117.5°	36.0	32.4	32.4	28.8	28.8
120°	30.6	28.8	28.8	25.2	25.2
122.5°	27.0	25.2	25.2	23.4	23.4
125°	25.2	21.6	23.4	19.8	21.6
127.5°	21.6	19.8	19.8	18.0	19.8
130°	18.0	16.2	16.2	16.2	18.0
132.5°	16.2	14.4	14.4	14.4	16.2
135°	14.4	12.6	12.6	12.6	14.4
137.5°	12.6	10.8	9.0	10.8	12.6
140°	10.8	9.0	7.2	9.0	10.8
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)