

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: P384573

Luminaire Tested: **14ID-35-L850-CFD3**

Issue Date: 2/25/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P384573  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1911-572-69)  
Test Lab: INNOVATION CENTER (G2)  
Issue Date: 2/25/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: 14ID-35-L850-CFD3  
Description: 1X4 IN DEPTH TROFFER WITH 3INCH DROP CUBE LENS

Light Source: -  
Ballast/Driver: -

**Summary**

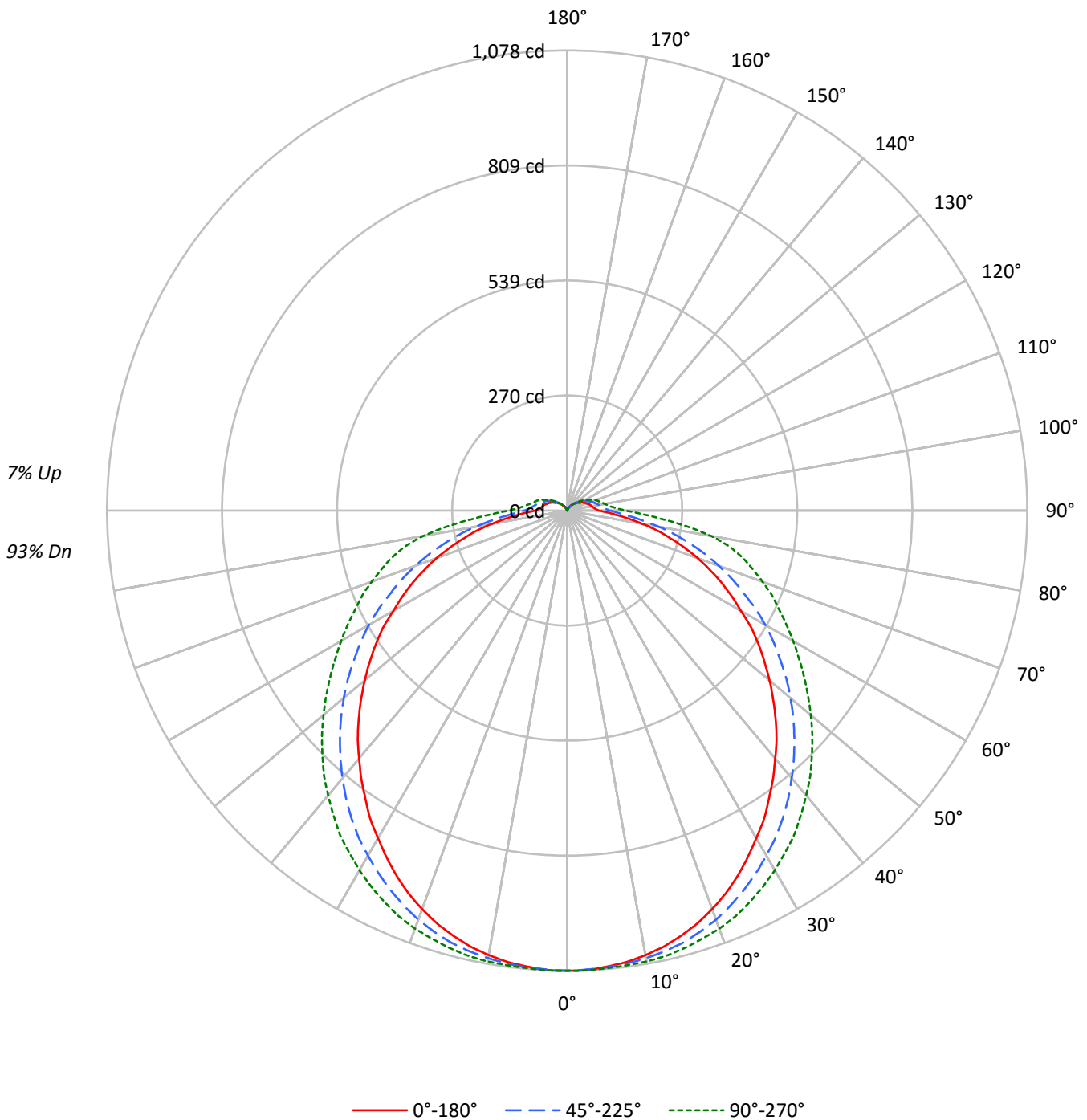
Lumens per Lamp: N/A  
Luminaire Lumens: 3772.6 lumens  
Efficiency: N/A  
Efficacy: 132.4 lumens/watt  
Spacing Criteria (0/90/45): 1.23 / 1.34 / 1.41  
Luminous Opening: Rectangular w/ Sides (W: 1' x L: 4' x H: 0.25')  
CIE Type: Direct

Input Watts (W): 28.5  
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	0
RCR																		
0	117	117	117	117	114	114	114	114	107	107	107	101	101	101	95	95	95	93
1	105	100	95	91	102	97	93	89	91	88	84	86	83	80	81	79	77	74
2	95	86	79	73	92	84	77	71	79	73	68	74	70	66	70	67	63	60
3	86	75	66	60	83	73	65	59	69	62	57	65	59	55	62	57	53	50
4	79	66	57	50	76	64	56	49	61	54	48	58	51	46	55	49	45	42
5	72	59	50	43	70	57	49	42	54	47	41	52	45	40	49	43	39	36
6	67	53	44	37	64	52	43	37	49	41	36	47	40	35	44	39	34	32
7	62	48	39	33	60	47	38	32	44	37	31	42	36	31	40	35	30	28
8	57	44	35	29	55	43	34	29	41	33	28	39	32	27	37	31	27	25
9	54	40	32	26	52	39	31	26	37	30	25	36	29	25	34	28	24	22
10	50	37	29	23	49	36	28	23	35	28	23	33	27	22	32	26	22	20

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

	0°	45°	90°
0°	2901	2901	2901
5°	2881	2847	2845
10°	2858	2801	2807
15°	2825	2756	2771
20°	2782	2703	2736
25°	2725	2639	2692
30°	2658	2572	2641
35°	2594	2505	2593
40°	2531	2425	2529
45°	2473	2346	2469
50°	2412	2263	2403
55°	2358	2174	2342
60°	2284	2087	2297
65°	2240	1967	2269
70°	2186	1852	2273
75°	2109	1694	2287
80°	2045	1501	2195
85°	2068	1269	1762



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	102.2	2.7
10°-20°	295.4	7.8
20°-30°	451.3	12.0
30°-40°	549.4	14.6
40°-50°	580.7	15.4
50°-60°	548.1	14.5
60°-70°	461.1	12.2
70°-80°	332.5	8.8
80°-90°	175.3	4.6
90°-100°	93.9	2.5
100°-110°	71.3	1.9
110°-120°	51.7	1.4
120°-130°	32.5	0.9
130°-140°	17.5	0.5
140°-150°	7.7	0.2
150°-160°	2.0	0.1
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-30°	848.9	22.5
0°-40°	1398.3	37.1
0°-60°	2527.1	67.0
0°-90°	3496.0	92.7
90°-120°	216.8	5.7
90°-150°	274.5	7.3
90°-180°	277.0	7.3
0°-180°	3772.6	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1078	1078	1078	1078	1078	
5°	1072	1072	1074	1074	1076	102
15°	1031	1035	1048	1056	1061	291
25°	944	956	980	1003	1012	435
35°	824	843	880	914	928	516
45°	690	711	753	794	811	533
55°	548	572	610	655	677	489
65°	399	421	455	512	548	394
75°	250	271	297	356	425	266
85°	115	130	145	181	220	108
90°	73	86	100	118	136	42
95°	64	73	85	96	104	51
105°	55	60	68	75	79	57
115°	43	47	53	56	60	43
125°	32	32	38	38	40	29
135°	23	21	23	23	24	17
145°	13	11	11	11	13	8
155°	6	6	2	4	6	3
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°	1078.1	1078.1	1078.1	1078.1	1078.1
2.5°	1078.1	1076.2	1076.2	1076.2	1078.1
5°	1072.4	1072.4	1074.3	1074.3	1076.2
7.5°	1066.8	1066.8	1070.5	1072.4	1074.3
10°	1057.4	1059.3	1064.9	1068.7	1072.4
12.5°	1046.1	1048.0	1057.4	1064.9	1068.7
15°	1031.0	1034.8	1048.0	1055.5	1061.1
17.5°	1014.1	1019.8	1034.8	1046.1	1051.7
20°	993.4	1000.9	1019.8	1034.8	1042.3
22.5°	970.8	978.4	1000.9	1019.8	1029.2
25°	944.5	955.8	980.2	1002.8	1012.2
27.5°	916.3	929.4	957.7	984.0	993.4
30°	886.2	901.2	933.2	961.4	972.7
32.5°	857.9	873.0	908.7	938.8	950.1
35°	824.1	842.9	880.5	914.4	927.6
37.5°	792.1	810.9	850.4	886.2	899.3
40°	758.2	777.0	818.4	857.9	871.1
42.5°	726.2	745.1	786.4	827.8	842.9
45°	690.5	711.2	752.6	794.0	810.9
47.5°	654.7	675.4	718.7	762.0	778.9
50°	619.0	641.6	683.0	726.2	745.1
52.5°	583.3	605.8	647.2	692.4	711.2
55°	547.5	572.0	609.6	654.7	677.3
57.5°	511.8	536.2	573.8	620.9	643.5
60°	470.4	498.6	536.2	585.1	611.5
62.5°	434.6	459.1	496.7	547.5	579.5
65°	398.9	421.4	455.3	511.8	547.5
67.5°	361.2	385.7	417.7	470.4	519.3
70°	325.5	346.2	378.2	432.7	487.3
72.5°	287.9	308.6	338.7	395.1	455.3
75°	250.2	270.9	297.3	355.6	425.2
77.5°	216.4	233.3	257.8	314.2	389.5
80°	178.7	195.7	218.2	269.0	342.4
82.5°	144.9	159.9	178.7	223.9	282.2
85°	114.8	129.8	144.9	180.6	220.1
87.5°	92.2	103.5	118.5	144.9	171.2
90°	73.4	86.5	99.7	118.5	135.5
92.5°	67.7	79.0	90.3	105.4	116.7
95°	64.0	73.4	84.7	96.0	103.5
97.5°	60.2	69.6	79.0	90.3	96.0
100°	58.3	65.9	75.3	84.7	88.4
102.5°	56.4	62.1	71.5	79.0	84.7
105°	54.6	60.2	67.7	75.3	79.0
107.5°	50.8	56.4	64.0	71.5	75.3
110°	48.9	52.7	60.2	65.9	71.5



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	47.0	50.8	56.4	62.1	65.9
115°	43.3	47.0	52.7	56.4	60.2
117.5°	41.4	43.3	48.9	50.8	54.6
120°	37.6	39.5	45.2	47.0	48.9
122.5°	33.9	35.7	41.4	41.4	45.2
125°	32.0	32.0	37.6	37.6	39.5
127.5°	30.1	30.1	33.9	33.9	35.7
130°	26.3	26.3	30.1	30.1	30.1
132.5°	24.5	22.6	26.3	26.3	28.2
135°	22.6	20.7	22.6	22.6	24.5
137.5°	18.8	18.8	20.7	18.8	20.7
140°	16.9	15.1	16.9	16.9	18.8
142.5°	15.1	13.2	15.1	13.2	15.1
145°	13.2	11.3	11.3	11.3	13.2
147.5°	11.3	9.4	9.4	9.4	11.3
150°	9.4	7.5	7.5	7.5	9.4
152.5°	7.5	5.6	3.8	5.6	7.5
155°	5.6	5.6	1.9	3.8	5.6
157.5°	3.8	3.8	0.0	1.9	3.8
160°	1.9	1.9	0.0	1.9	1.9
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)