

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: P384629

Luminaire Tested: **22ID-35-L850-CFD3**

Issue Date: 2/25/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P384629  
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: 22ID-35-L850-CFD3  
Description: 2X2 IN DEPTH TROFFER WITH 3INCH DROP CUBE LENS

Light Source: -  
Ballast/Driver: -

**Summary**

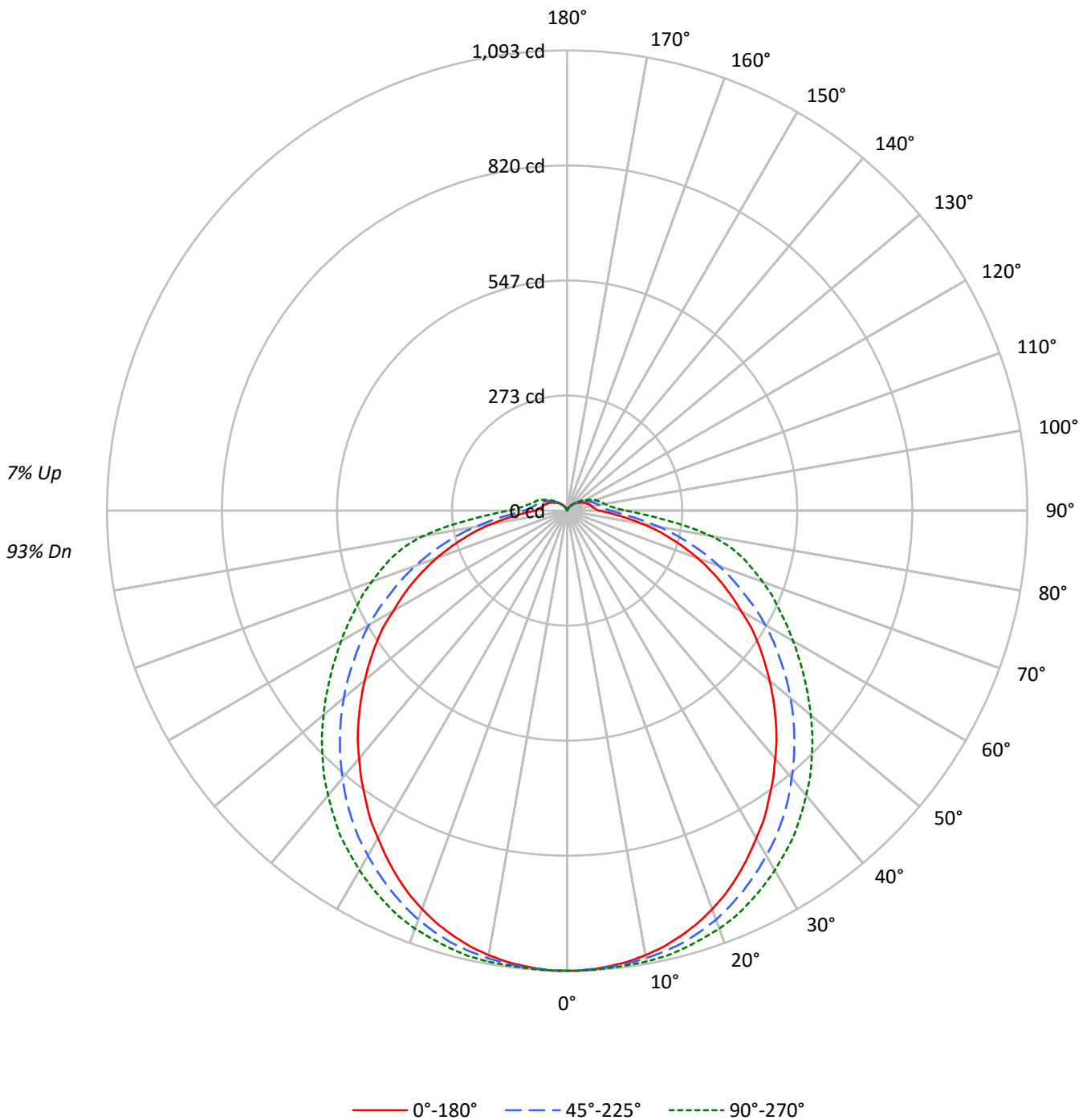
Lumens per Lamp: N/A  
Luminaire Lumens: 3825.2 lumens  
Efficiency: N/A  
Efficacy: 134.7 lumens/watt  
Spacing Criteria (0/90/45): 1.23 / 1.34 / 1.41  
Luminous Opening: Rectangular w/ Sides (W: 2' x L: 2' x H: 0.25')  
CIE Type: Direct

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	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°	2942	2942	2942
5°	2906	2898	2916
10°	2866	2861	2907
15°	2818	2826	2900
20°	2759	2782	2895
25°	2687	2726	2879
30°	2604	2668	2858
35°	2524	2610	2841
40°	2444	2538	2808
45°	2368	2468	2781
50°	2287	2395	2752
55°	2210	2315	2734
60°	2110	2240	2743
65°	2031	2132	2787
70°	1933	2030	2894
75°	1799	1888	3056
80°	1643	1713	3148
85°	1480	1502	2837



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	103.6	2.7
10°-20°	299.5	7.8
20°-30°	457.6	12.0
30°-40°	557.0	14.6
40°-50°	588.8	15.4
50°-60°	555.7	14.5
60°-70°	467.6	12.2
70°-80°	337.1	8.8
80°-90°	177.8	4.6
90°-100°	95.2	2.5
100°-110°	72.3	1.9
110°-120°	52.4	1.4
120°-130°	32.9	0.9
130°-140°	17.8	0.5
140°-150°	7.8	0.2
150°-160°	2.1	0.1
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-30°	860.8	22.5
0°-40°	1417.8	37.1
0°-60°	2562.3	67.0
0°-90°	3544.7	92.7
90°-120°	219.8	5.7
90°-150°	278.3	7.3
90°-180°	280.0	7.3
0°-180°	3825.2	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1093	1093	1093	1093	1093	
5°	1087	1087	1089	1089	1091	103
15°	1045	1049	1063	1070	1076	295
25°	958	969	994	1017	1026	441
35°	836	855	893	927	940	523
45°	700	721	763	805	822	540
55°	555	580	618	664	687	496
65°	404	427	462	519	555	400
75°	254	275	301	361	431	269
85°	116	132	147	183	223	109
90°	74	88	101	120	137	43
95°	65	74	86	97	105	52
105°	55	61	69	76	80	58
115°	44	48	53	57	61	44
125°	32	32	38	38	40	29
135°	23	21	23	23	25	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°	1093.1	1093.1	1093.1	1093.1	1093.1
2.5°	1093.1	1091.2	1091.2	1091.2	1093.1
5°	1087.4	1087.4	1089.3	1089.3	1091.2
7.5°	1081.7	1081.7	1085.5	1087.4	1089.3
10°	1072.1	1074.0	1079.8	1083.6	1087.4
12.5°	1060.7	1062.6	1072.1	1079.8	1083.6
15°	1045.4	1049.2	1062.6	1070.2	1075.9
17.5°	1028.2	1034.0	1049.2	1060.7	1066.4
20°	1007.3	1014.9	1034.0	1049.2	1056.9
22.5°	984.4	992.0	1014.9	1034.0	1043.5
25°	957.7	969.1	993.9	1016.8	1026.3
27.5°	929.0	942.4	971.0	997.7	1007.3
30°	898.5	913.8	946.2	974.8	986.3
32.5°	869.9	885.2	921.4	951.9	963.4
35°	835.6	854.6	892.8	927.1	940.5
37.5°	803.1	822.2	862.3	898.5	911.9
40°	768.8	787.9	829.8	869.9	883.3
42.5°	736.4	755.4	797.4	839.4	854.6
45°	700.1	721.1	763.1	805.0	822.2
47.5°	663.9	684.9	728.7	772.6	789.8
50°	627.6	650.5	692.5	736.4	755.4
52.5°	591.4	614.3	656.2	702.0	721.1
55°	555.1	579.9	618.1	663.9	686.8
57.5°	518.9	543.7	581.8	629.5	652.4
60°	476.9	505.5	543.7	593.3	620.0
62.5°	440.7	465.5	503.6	555.1	587.6
65°	404.4	427.3	461.7	518.9	555.1
67.5°	366.3	391.1	423.5	476.9	526.5
70°	330.0	351.0	383.4	438.8	494.1
72.5°	291.9	312.9	343.4	400.6	461.7
75°	253.7	274.7	301.4	360.6	431.1
77.5°	219.4	236.6	261.4	318.6	394.9
80°	181.2	198.4	221.3	272.8	347.2
82.5°	146.9	162.2	181.2	227.0	286.2
85°	116.4	131.6	146.9	183.1	223.2
87.5°	93.5	104.9	120.2	146.9	173.6
90°	74.4	87.8	101.1	120.2	137.4
92.5°	68.7	80.1	91.6	106.8	118.3
95°	64.9	74.4	85.8	97.3	104.9
97.5°	61.0	70.6	80.1	91.6	97.3
100°	59.1	66.8	76.3	85.8	89.7
102.5°	57.2	63.0	72.5	80.1	85.8
105°	55.3	61.0	68.7	76.3	80.1
107.5°	51.5	57.2	64.9	72.5	76.3
110°	49.6	53.4	61.0	66.8	72.5



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	47.7	51.5	57.2	63.0	66.8
115°	43.9	47.7	53.4	57.2	61.0
117.5°	42.0	43.9	49.6	51.5	55.3
120°	38.2	40.1	45.8	47.7	49.6
122.5°	34.3	36.2	42.0	42.0	45.8
125°	32.4	32.4	38.2	38.2	40.1
127.5°	30.5	30.5	34.3	34.3	36.2
130°	26.7	26.7	30.5	30.5	30.5
132.5°	24.8	22.9	26.7	26.7	28.6
135°	22.9	21.0	22.9	22.9	24.8
137.5°	19.1	19.1	21.0	19.1	21.0
140°	17.2	15.3	17.2	17.2	19.1
142.5°	15.3	13.4	15.3	13.4	15.3
145°	13.4	11.4	11.4	11.4	13.4
147.5°	11.4	9.5	9.5	9.5	11.4
150°	9.5	7.6	7.6	7.6	9.5
152.5°	7.6	5.7	3.8	5.7	7.6
155°	5.7	5.7	1.9	3.8	5.7
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)