

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: P384289

Luminaire Tested: **22ID-30-L850-CFD2**

Issue Date: 2/25/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P384289  
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-30-L850-CFD2  
Description: 2X2 IN DEPTH TROFFER WITH 2INCH DROP CUBE LENS

Light Source: -  
Ballast/Driver: -

**Summary**

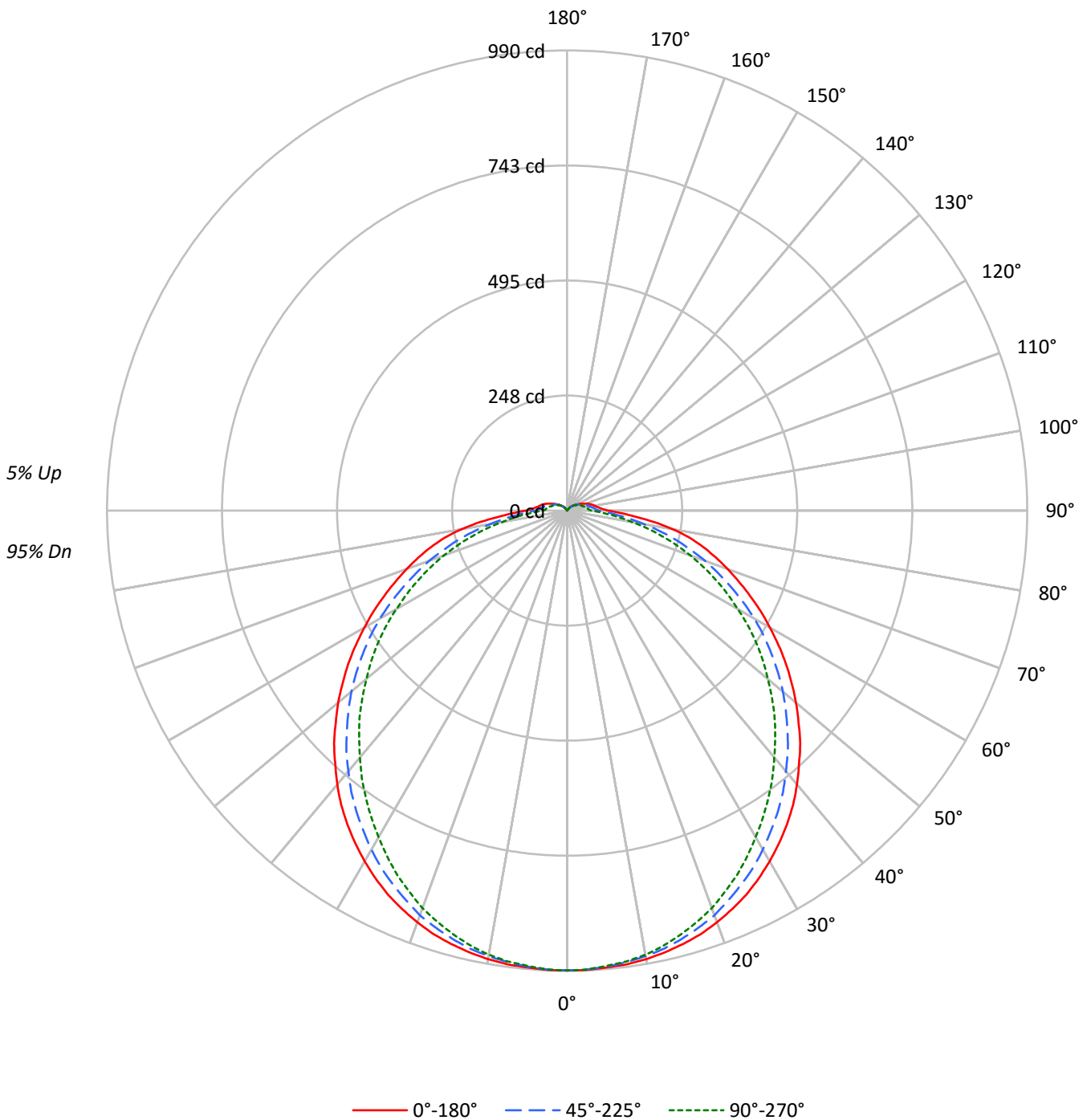
Lumens per Lamp: N/A  
Luminaire Lumens: 3209.4 lumens  
Efficiency: N/A  
Efficacy: 132.1 lumens/watt  
Spacing Criteria (0/90/45): 1.31 / 1.22 / 1.38  
Luminous Opening: Rectangular w/ Sides (W: 2' x L: 2' x H: 0.17')  
CIE Type: Direct

Input Watts (W): 24.3  
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°	2663	2663	2663
5°	2645	2633	2636
10°	2639	2605	2612
15°	2630	2576	2573
20°	2620	2544	2530
25°	2606	2498	2472
30°	2583	2450	2406
35°	2559	2398	2343
40°	2526	2340	2276
45°	2492	2283	2219
50°	2448	2223	2146
55°	2410	2153	2085
60°	2369	2077	1996
65°	2344	1976	1907
70°	2353	1877	1804
75°	2401	1742	1669
80°	2437	1564	1500
85°	2306	1406	1384



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	93.7	2.9
10°-20°	269.3	8.4
20°-30°	409.0	12.7
30°-40°	494.1	15.4
40°-50°	517.1	16.1
50°-60°	479.8	15.0
60°-70°	388.7	12.1
70°-80°	262.3	8.2
80°-90°	126.7	3.9
90°-100°	63.7	2.0
100°-110°	46.3	1.4
110°-120°	31.0	1.0
120°-130°	18.0	0.6
130°-140°	9.1	0.3
140°-150°	0.7	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	772.0	24.1
0°-40°	1266.1	39.4
0°-60°	2263.0	70.5
0°-90°	3040.7	94.7
90°-120°	141.0	4.4
90°-150°	168.7	5.3
90°-180°	169.0	5.3
0°-180°	3209.4	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	990	990	990	990	990	
5°	986	985	985	983	983	94
15°	965	960	954	947	944	273
25°	912	904	888	871	865	420
35°	824	813	790	766	755	516
45°	709	696	670	643	632	546
55°	575	562	536	510	497	514
65°	434	418	389	368	353	431
75°	303	272	241	224	210	319
85°	146	126	107	97	88	138
90°	88	79	68	62	52	50
95°	70	65	58	52	45	55
105°	52	49	44	39	36	55
115°	36	32	32	28	28	35
125°	23	19	21	18	19	20
135°	13	11	11	11	13	10
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°	989.5	989.5	989.5	989.5	989.5
2.5°	989.5	987.9	987.9	987.9	987.9
5°	986.3	984.7	984.7	983.0	983.0
7.5°	984.7	981.4	979.8	978.2	978.2
10°	979.8	976.6	973.3	970.1	970.1
12.5°	973.3	970.1	965.2	958.7	958.7
15°	965.2	960.4	953.9	947.4	944.2
17.5°	955.5	950.7	940.9	931.2	928.0
20°	942.6	936.1	926.4	913.4	910.2
22.5°	928.0	921.5	906.9	894.0	887.5
25°	911.8	903.7	887.5	871.3	864.8
27.5°	892.3	884.3	866.4	847.0	838.9
30°	871.3	861.6	842.1	821.1	811.4
32.5°	848.6	837.3	816.2	793.6	783.8
35°	824.3	813.0	790.3	766.0	754.7
37.5°	798.4	787.1	762.8	736.9	725.5
40°	769.3	757.9	732.0	706.1	693.1
42.5°	738.5	728.8	702.9	675.3	662.4
45°	709.3	696.4	670.5	642.9	631.6
47.5°	675.3	665.6	638.1	610.6	597.6
50°	642.9	631.6	605.7	578.2	563.6
52.5°	608.9	599.2	571.7	544.2	531.2
55°	574.9	562.0	536.1	510.1	497.2
57.5°	539.3	528.0	502.0	477.8	461.6
60°	503.7	492.3	464.8	442.1	424.3
62.5°	469.7	456.7	427.5	403.3	388.7
65°	434.0	417.8	388.7	367.6	353.1
67.5°	400.0	380.6	351.4	332.0	317.4
70°	367.6	345.0	315.8	296.4	281.8
72.5°	335.2	307.7	276.9	259.1	246.2
75°	302.8	272.1	241.3	223.5	210.5
77.5°	270.5	234.8	204.1	189.5	176.5
80°	231.6	197.6	168.4	155.5	142.5
82.5°	187.9	160.3	136.0	123.1	113.4
85°	145.8	126.3	106.9	97.2	87.5
87.5°	113.4	98.8	84.2	76.1	68.0
90°	87.5	79.4	68.0	61.5	51.8
92.5°	76.1	69.6	61.5	55.1	47.0
95°	69.6	64.8	58.3	51.8	45.3
97.5°	63.2	59.9	53.4	48.6	42.1
100°	59.9	55.1	50.2	45.3	40.5
102.5°	56.7	51.8	47.0	42.1	38.9
105°	51.8	48.6	43.7	38.9	35.6
107.5°	48.6	43.7	40.5	35.6	34.0
110°	43.7	40.5	37.2	34.0	32.4



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	38.9	37.2	34.0	30.8	29.2
115°	35.6	32.4	32.4	27.5	27.5
117.5°	32.4	29.2	29.2	25.9	25.9
120°	27.5	25.9	25.9	22.7	22.7
122.5°	24.3	22.7	22.7	21.1	21.1
125°	22.7	19.4	21.1	17.8	19.4
127.5°	19.4	17.8	17.8	16.2	17.8
130°	16.2	14.6	14.6	14.6	16.2
132.5°	14.6	13.0	13.0	13.0	14.6
135°	13.0	11.3	11.3	11.3	13.0
137.5°	11.3	9.7	8.1	9.7	11.3
140°	9.7	8.1	6.5	8.1	9.7
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)