

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: P384285

Luminaire Tested: **22ID-25-L850-CFD2**

Issue Date: 2/25/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P384285  
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-25-L850-CFD2  
Description: 2X2 IN DEPTH TROFFER WITH 2INCH DROP CUBE LENS

Light Source: -  
Ballast/Driver: -

**Summary**

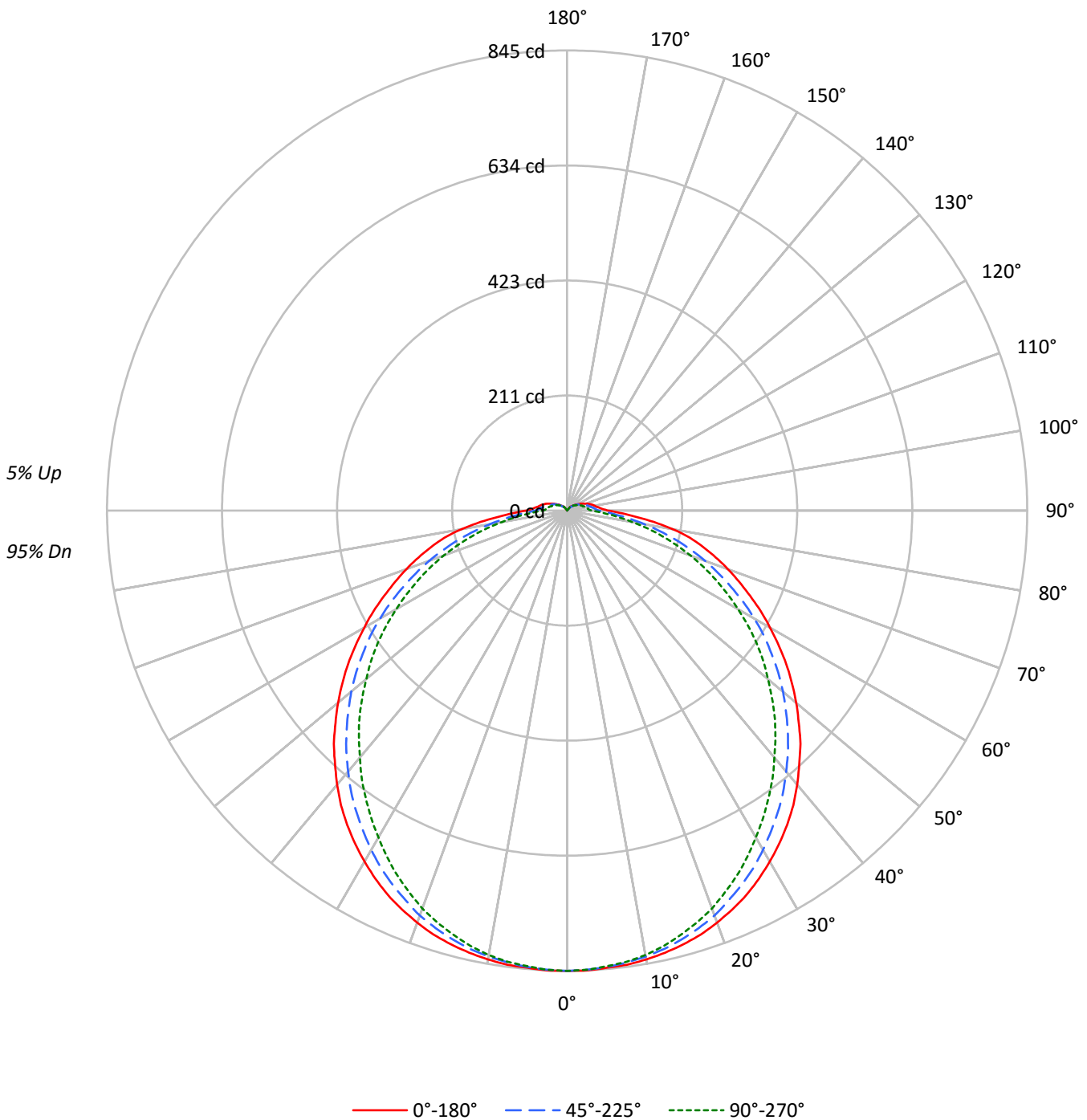
Lumens per Lamp: N/A  
Luminaire Lumens: 2741.8 lumens  
Efficiency: N/A  
Efficacy: 132.5 lumens/watt  
Spacing Criteria (0/90/45): 1.31 / 1.22 / 1.38  
Luminous Opening: Rectangular w/ Sides (W: 2' x L: 2' x H: 0.17')  
CIE Type: Direct

Input Watts (W): 20.7  
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	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°	2275	2275	2275
5°	2260	2249	2252
10°	2254	2226	2232
15°	2247	2201	2198
20°	2238	2173	2161
25°	2226	2134	2112
30°	2207	2093	2055
35°	2186	2049	2001
40°	2158	1999	1944
45°	2129	1950	1896
50°	2092	1899	1834
55°	2059	1839	1781
60°	2024	1775	1705
65°	2003	1688	1629
70°	2011	1604	1541
75°	2052	1488	1427
80°	2082	1337	1282
85°	1969	1201	1181



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	80.0	2.9
10°-20°	230.1	8.4
20°-30°	349.4	12.7
30°-40°	422.1	15.4
40°-50°	441.8	16.1
50°-60°	409.9	15.0
60°-70°	332.0	12.1
70°-80°	224.1	8.2
80°-90°	108.2	3.9
90°-100°	54.5	2.0
100°-110°	39.6	1.4
110°-120°	26.5	1.0
120°-130°	15.3	0.6
130°-140°	7.7	0.3
140°-150°	0.6	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	659.5	24.1
0°-40°	1081.6	39.4
0°-60°	1933.3	70.5
0°-90°	2597.6	94.7
90°-120°	120.5	4.4
90°-150°	144.2	5.3
90°-180°	144.0	5.3
0°-180°	2741.8	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	845	845	845	845	845	
5°	843	841	841	840	840	80
15°	825	820	815	809	807	233
25°	779	772	758	744	739	359
35°	704	694	675	654	645	441
45°	606	595	573	549	540	467
55°	491	480	458	436	425	439
65°	371	357	332	314	302	368
75°	259	232	206	191	180	273
85°	124	108	91	83	75	118
90°	75	68	58	53	44	43
95°	60	55	50	44	39	47
105°	44	42	37	33	30	47
115°	30	28	28	24	24	30
125°	19	17	18	15	17	17
135°	11	10	10	10	11	9
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°	845.3	845.3	845.3	845.3	845.3
2.5°	845.3	844.0	844.0	844.0	844.0
5°	842.6	841.2	841.2	839.8	839.8
7.5°	841.2	838.4	837.0	835.7	835.7
10°	837.0	834.3	831.5	828.7	828.7
12.5°	831.5	828.7	824.6	819.1	819.1
15°	824.6	820.4	814.9	809.4	806.6
17.5°	816.3	812.1	803.8	795.5	792.8
20°	805.2	799.7	791.4	780.3	777.6
22.5°	792.8	787.2	774.8	763.7	758.2
25°	778.9	772.0	758.2	744.3	738.8
27.5°	762.3	755.4	740.2	723.6	716.7
30°	744.3	736.0	719.4	701.5	693.2
32.5°	725.0	715.3	697.3	677.9	669.6
35°	704.2	694.5	675.2	654.4	644.7
37.5°	682.1	672.4	651.7	629.5	619.8
40°	657.2	647.5	625.4	603.2	592.2
42.5°	630.9	622.6	600.5	576.9	565.9
45°	606.0	594.9	572.8	549.3	539.6
47.5°	576.9	568.6	545.1	521.6	510.5
50°	549.3	539.6	517.4	493.9	481.5
52.5°	520.2	511.9	488.4	464.9	453.8
55°	491.2	480.1	458.0	435.8	424.7
57.5°	460.7	451.0	428.9	408.1	394.3
60°	430.3	420.6	397.1	377.7	362.5
62.5°	401.2	390.2	365.3	344.5	332.1
65°	370.8	357.0	332.1	314.1	301.6
67.5°	341.7	325.1	300.2	283.6	271.2
70°	314.1	294.7	269.8	253.2	240.7
72.5°	286.4	262.9	236.6	221.4	210.3
75°	258.7	232.4	206.1	190.9	179.9
77.5°	231.1	200.6	174.3	161.9	150.8
80°	197.8	168.8	143.9	132.8	121.8
82.5°	160.5	137.0	116.2	105.1	96.8
85°	124.5	107.9	91.3	83.0	74.7
87.5°	96.8	84.4	71.9	65.0	58.1
90°	74.7	67.8	58.1	52.6	44.3
92.5°	65.0	59.5	52.6	47.0	40.1
95°	59.5	55.3	49.8	44.3	38.7
97.5°	54.0	51.2	45.7	41.5	36.0
100°	51.2	47.0	42.9	38.7	34.6
102.5°	48.4	44.3	40.1	36.0	33.2
105°	44.3	41.5	37.4	33.2	30.4
107.5°	41.5	37.4	34.6	30.4	29.1
110°	37.4	34.6	31.8	29.1	27.7



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	33.2	31.8	29.1	26.3	24.9
115°	30.4	27.7	27.7	23.5	23.5
117.5°	27.7	24.9	24.9	22.1	22.1
120°	23.5	22.1	22.1	19.4	19.4
122.5°	20.8	19.4	19.4	18.0	18.0
125°	19.4	16.6	18.0	15.2	16.6
127.5°	16.6	15.2	15.2	13.8	15.2
130°	13.8	12.5	12.5	12.5	13.8
132.5°	12.5	11.1	11.1	11.1	12.5
135°	11.1	9.7	9.7	9.7	11.1
137.5°	9.7	8.3	6.9	8.3	9.7
140°	8.3	6.9	5.5	6.9	8.3
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)