

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: P384621

Luminaire Tested: **22ID-25-L850-CFD3**

Issue Date: 2/25/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P384621  
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-25-L850-CFD3  
Description: 2X2 IN DEPTH TROFFER WITH 3INCH DROP CUBE LENS

Light Source: -  
Ballast/Driver: -

**Summary**

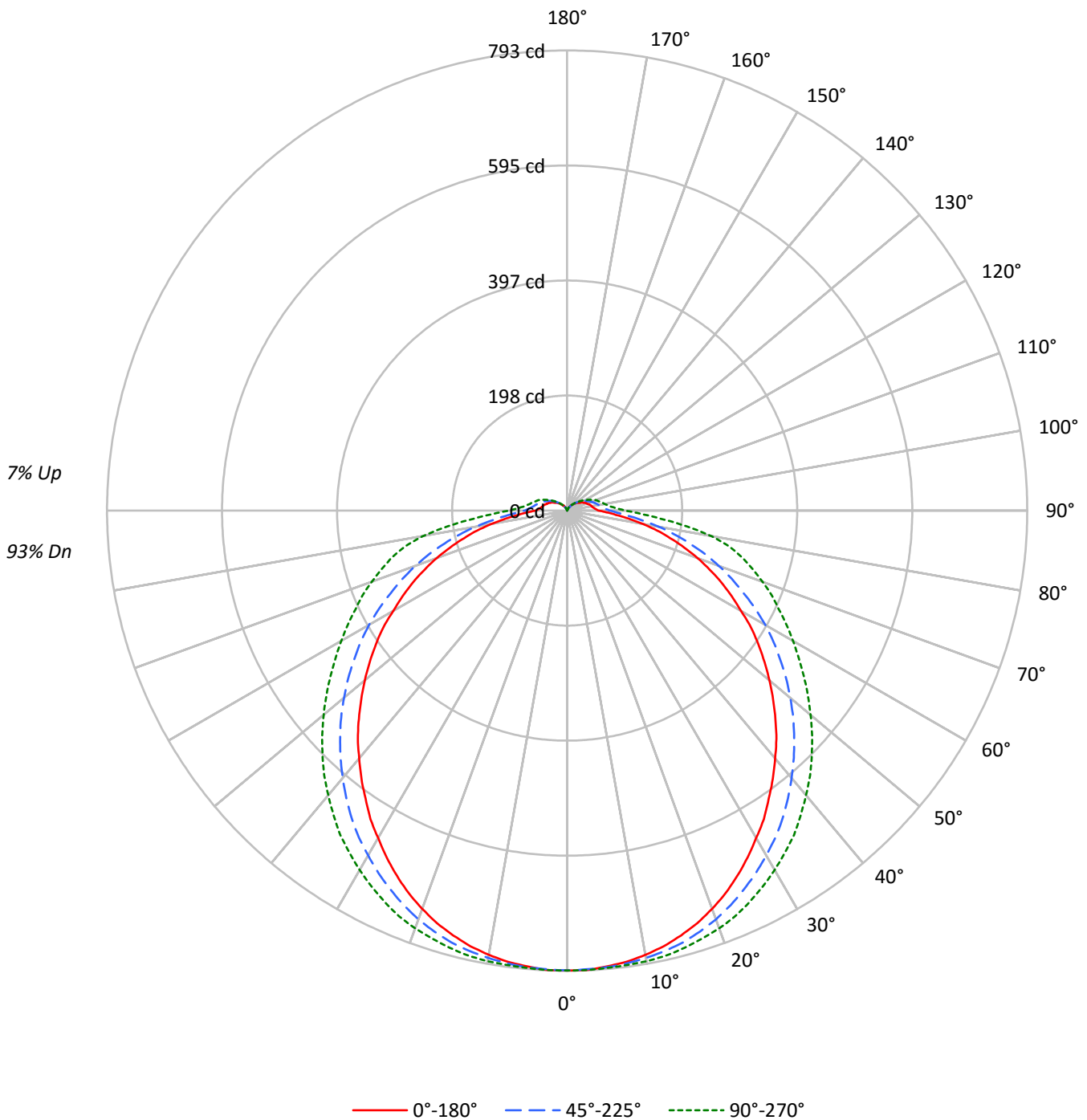
Lumens per Lamp: N/A  
Luminaire Lumens: 2773.6 lumens  
Efficiency: N/A  
Efficacy: 134.0 lumens/watt  
Spacing Criteria (0/90/45): 1.23 / 1.34 / 1.41  
Luminous Opening: Rectangular w/ Sides (W: 2' x L: 2' x H: 0.25')  
CIE Type: Direct

Input Watts (W): 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



TEST NUMBER: P384621  
CATALOG NUMBER: 22ID-25-L850-CFD3

### Luminous Intensity Polar Plot





TEST NUMBER: P384621

CATALOG NUMBER: 22ID-25-L850-CFD3

**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°	2133	2133	2133
5°	2107	2101	2114
10°	2078	2075	2108
15°	2043	2049	2103
20°	2001	2017	2099
25°	1948	1977	2088
30°	1888	1934	2073
35°	1830	1893	2060
40°	1772	1841	2036
45°	1717	1789	2017
50°	1658	1736	1996
55°	1602	1679	1982
60°	1530	1624	1989
65°	1473	1546	2021
70°	1401	1472	2098
75°	1305	1369	2216
80°	1192	1242	2283
85°	1073	1089	2057



TEST NUMBER: P384621

CATALOG NUMBER: 22ID-25-L850-CFD3

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	75.2	2.7
10°-20°	217.2	7.8
20°-30°	331.8	12.0
30°-40°	403.9	14.6
40°-50°	426.9	15.4
50°-60°	403.0	14.5
60°-70°	339.0	12.2
70°-80°	244.4	8.8
80°-90°	128.9	4.6
90°-100°	69.0	2.5
100°-110°	52.4	1.9
110°-120°	38.0	1.4
120°-130°	23.9	0.9
130°-140°	12.9	0.5
140°-150°	5.6	0.2
150°-160°	1.5	0.1
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	624.2	22.5
0°-40°	1028.1	37.1
0°-60°	1858.0	67.0
0°-90°	2570.3	92.7
90°-120°	159.4	5.7
90°-150°	201.8	7.3
90°-180°	203.0	7.3
0°-180°	2773.6	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	793	793	793	793	793	
5°	788	788	790	790	791	75
15°	758	761	770	776	780	214
25°	694	703	721	737	744	320
35°	606	620	647	672	682	379
45°	508	523	553	584	596	392
55°	402	420	448	481	498	360
65°	293	310	335	376	402	290
75°	184	199	219	261	313	195
85°	84	95	106	133	162	79
90°	54	64	73	87	100	31
95°	47	54	62	70	76	37
105°	40	44	50	55	58	42
115°	32	35	39	42	44	32
125°	24	24	28	28	29	21
135°	17	15	17	17	18	13
145°	10	8	8	8	10	6
155°	4	4	1	3	4	2
165°	0	0	0	0	0	0
175°	0	0	0	0	0	0
180°	0	0	0	0	0	0



TEST NUMBER: P384621

CATALOG NUMBER: 22ID-25-L850-CFD3

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	792.6	792.6	792.6	792.6	792.6
2.5°	792.6	791.2	791.2	791.2	792.6
5°	788.5	788.5	789.9	789.9	791.2
7.5°	784.3	784.3	787.1	788.5	789.9
10°	777.4	778.8	782.9	785.7	788.5
12.5°	769.1	770.5	777.4	782.9	785.7
15°	758.0	760.8	770.5	776.0	780.2
17.5°	745.6	749.7	760.8	769.1	773.3
20°	730.4	735.9	749.7	760.8	766.3
22.5°	713.8	719.3	735.9	749.7	756.7
25°	694.4	702.7	720.7	737.3	744.2
27.5°	673.7	683.3	704.1	723.5	730.4
30°	651.5	662.6	686.1	706.9	715.2
32.5°	630.8	641.8	668.1	690.3	698.6
35°	605.9	619.7	647.4	672.3	682.0
37.5°	582.4	596.2	625.2	651.5	661.2
40°	557.5	571.3	601.7	630.8	640.5
42.5°	533.9	547.8	578.2	608.6	619.7
45°	507.7	522.9	553.3	583.7	596.2
47.5°	481.4	496.6	528.4	560.2	572.7
50°	455.1	471.7	502.1	533.9	547.8
52.5°	428.8	445.4	475.9	509.1	522.9
55°	402.5	420.5	448.2	481.4	498.0
57.5°	376.3	394.2	421.9	456.5	473.1
60°	345.8	366.6	394.2	430.2	449.6
62.5°	319.5	337.5	365.2	402.5	426.1
65°	293.3	309.9	334.8	376.3	402.5
67.5°	265.6	283.6	307.1	345.8	381.8
70°	239.3	254.5	278.0	318.2	358.3
72.5°	211.6	226.9	249.0	290.5	334.8
75°	184.0	199.2	218.6	261.4	312.6
77.5°	159.1	171.5	189.5	231.0	286.3
80°	131.4	143.9	160.5	197.8	251.8
82.5°	106.5	117.6	131.4	164.6	207.5
85°	84.4	95.4	106.5	132.8	161.8
87.5°	67.8	76.1	87.1	106.5	125.9
90°	53.9	63.6	73.3	87.1	99.6
92.5°	49.8	58.1	66.4	77.5	85.8
95°	47.0	53.9	62.2	70.5	76.1
97.5°	44.3	51.2	58.1	66.4	70.5
100°	42.9	48.4	55.3	62.2	65.0
102.5°	41.5	45.6	52.6	58.1	62.2
105°	40.1	44.3	49.8	55.3	58.1
107.5°	37.3	41.5	47.0	52.6	55.3
110°	36.0	38.7	44.3	48.4	52.6



TEST NUMBER: P384621

CATALOG NUMBER: 22ID-25-L850-CFD3

**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	34.6	37.3	41.5	45.6	48.4
115°	31.8	34.6	38.7	41.5	44.3
117.5°	30.4	31.8	36.0	37.3	40.1
120°	27.7	29.0	33.2	34.6	36.0
122.5°	24.9	26.3	30.4	30.4	33.2
125°	23.5	23.5	27.7	27.7	29.0
127.5°	22.1	22.1	24.9	24.9	26.3
130°	19.4	19.4	22.1	22.1	22.1
132.5°	18.0	16.6	19.4	19.4	20.7
135°	16.6	15.2	16.6	16.6	18.0
137.5°	13.8	13.8	15.2	13.8	15.2
140°	12.4	11.1	12.4	12.4	13.8
142.5°	11.1	9.7	11.1	9.7	11.1
145°	9.7	8.3	8.3	8.3	9.7
147.5°	8.3	6.9	6.9	6.9	8.3
150°	6.9	5.5	5.5	5.5	6.9
152.5°	5.5	4.1	2.8	4.1	5.5
155°	4.1	4.1	1.4	2.8	4.1
157.5°	2.8	2.8	0.0	1.4	2.8
160°	1.4	1.4	0.0	1.4	1.4
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)