

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: P384061

Luminaire Tested: **14ID-25-L850-CFD1**

Issue Date: 2/25/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P384061  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1911-572-67)  
Test Lab: INNOVATION CENTER (G2)  
Issue Date: 2/25/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: 14ID-25-L850-CFD1  
Description: 1X4 IN DEPTH TROFFER WITH 1INCH DROP CUBE LENS

Light Source: -  
Ballast/Driver: -

**Summary**

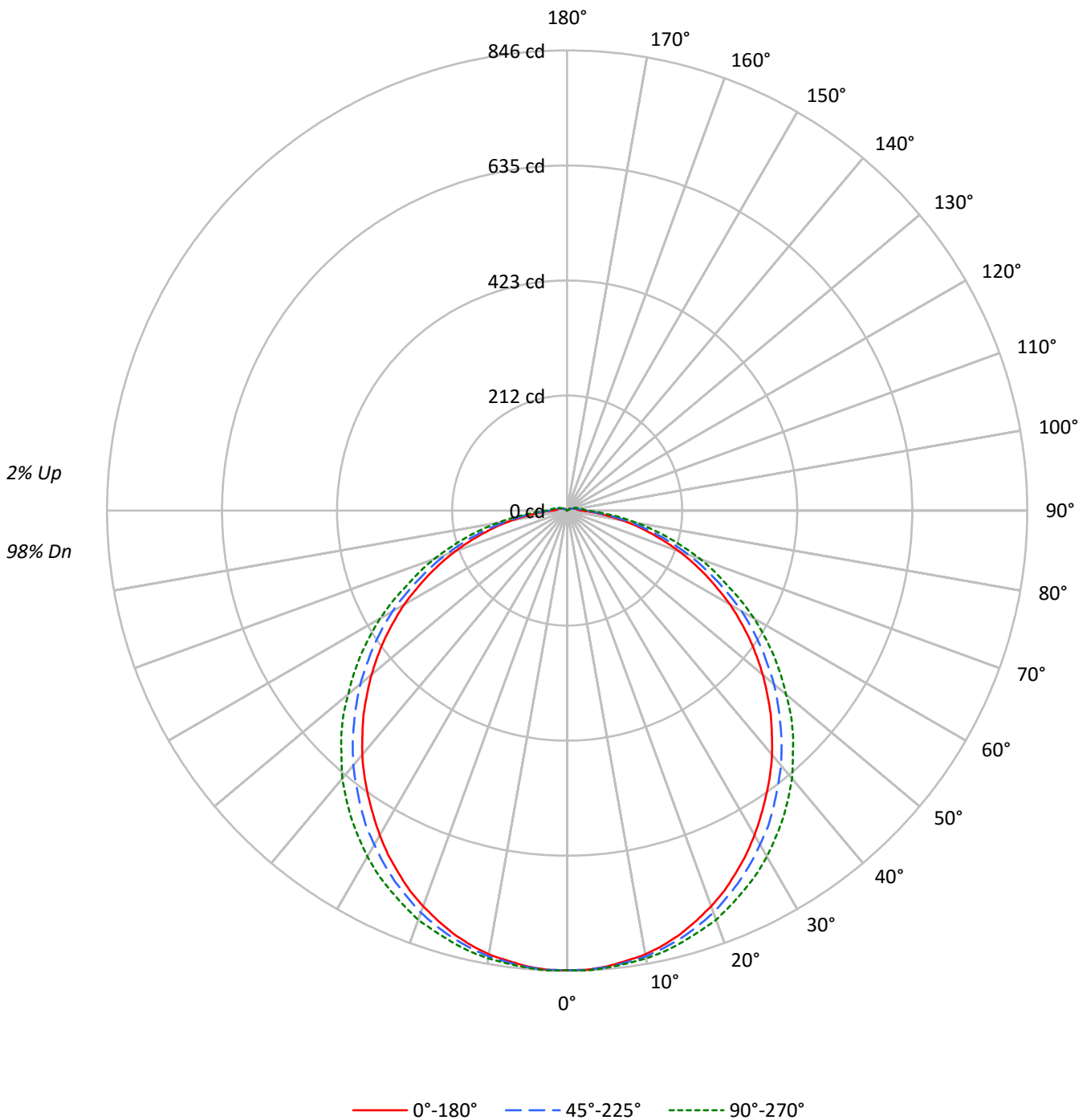
Lumens per Lamp: N/A  
Luminaire Lumens: 2502.6 lumens  
Efficiency: N/A  
Efficacy: 122.1 lumens/watt  
Spacing Criteria (0/90/45): 1.21 / 1.29 / 1.37  
Luminous Opening: Rectangular w/ Sides (W: 1' x L: 4' x H: 0.08')  
CIE Type: Direct

Input Watts (W): 20.5  
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	119	119	119	119	116	116	116	116	110	110	110	105	105	105	100	100	100	98
1	108	103	98	94	105	100	96	92	96	92	89	91	88	86	87	85	83	81
2	98	89	82	76	95	87	81	75	83	78	73	80	75	71	76	73	69	67
3	89	78	70	63	86	76	69	63	73	67	61	70	64	60	67	62	58	56
4	81	69	60	53	79	68	59	53	65	58	52	62	56	51	60	55	50	48
5	75	62	53	46	73	61	52	46	58	51	45	56	49	44	54	48	44	41
6	69	56	47	40	67	55	46	40	52	45	39	51	44	39	49	43	38	36
7	64	50	42	35	62	49	41	35	48	40	35	46	39	34	45	39	34	32
8	60	46	37	32	58	45	37	31	44	36	31	42	36	31	41	35	30	28
9	56	42	34	28	54	41	34	28	40	33	28	39	32	28	38	32	27	26
10	52	39	31	26	51	38	31	26	37	30	25	36	30	25	35	29	25	23

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

	0°	45°	90°
0°	2274	2274	2274
5°	2268	2261	2263
10°	2256	2245	2252
15°	2232	2222	2237
20°	2200	2194	2225
25°	2160	2156	2201
30°	2115	2114	2178
35°	2066	2069	2146
40°	2024	2023	2112
45°	1972	1965	2064
50°	1918	1909	2001
55°	1861	1842	1942
60°	1799	1768	1868
65°	1717	1661	1755
70°	1624	1553	1665
75°	1518	1408	1530
80°	1407	1234	1362
85°	1362	1063	1164



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	80.0	3.2
10°-20°	229.4	9.2
20°-30°	346.3	13.8
30°-40°	415.0	16.6
40°-50°	429.0	17.1
50°-60°	388.5	15.5
60°-70°	300.7	12.0
70°-80°	184.7	7.4
80°-90°	73.4	2.9
90°-100°	26.8	1.1
100°-110°	16.5	0.7
110°-120°	8.5	0.3
120°-130°	3.6	0.1
130°-140°	0.2	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	655.8	26.2
0°-40°	1070.8	42.8
0°-60°	1888.3	75.5
0°-90°	2447.1	97.8
90°-120°	51.7	2.1
90°-150°	55.5	2.2
90°-180°	56.0	2.2
0°-180°	2502.6	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	845	845	845	845	845	
5°	841	841	842	842	844	80
15°	806	807	813	818	821	227
25°	735	740	751	764	770	338
35°	638	646	662	680	692	400
45°	529	535	554	577	587	408
55°	408	417	434	453	463	365
65°	282	288	302	317	325	279
75°	157	165	173	184	193	168
85°	55	58	63	70	74	54
90°	25	29	32	36	38	15
95°	19	22	24	27	29	15
105°	14	14	15	16	18	15
115°	9	8	8	9	10	9
125°	5	4	2	4	5	5
135°	0	0	0	0	0	0
145°	0	0	0	0	0	0
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°	845.0	845.0	845.0	845.0	845.0
2.5°	845.0	843.7	845.0	845.0	846.3
5°	841.2	841.2	842.5	842.5	843.7
7.5°	834.8	834.8	837.4	838.6	839.9
10°	828.5	828.5	832.3	833.6	836.1
12.5°	818.3	819.6	823.4	827.2	829.8
15°	805.7	806.9	813.3	818.3	820.9
17.5°	790.4	793.0	800.6	808.2	810.7
20°	773.9	777.7	786.6	795.5	800.6
22.5°	756.2	758.7	768.9	780.3	785.4
25°	734.6	739.7	751.1	763.8	770.1
27.5°	713.0	718.1	730.8	746.0	753.6
30°	688.9	694.0	709.2	725.7	734.6
32.5°	663.6	669.9	687.7	704.2	713.0
35°	638.2	645.8	662.3	680.1	691.5
37.5°	612.8	619.2	636.9	655.9	667.4
40°	586.2	592.5	611.5	630.6	643.3
42.5°	557.0	564.6	583.6	603.9	614.1
45°	529.1	535.4	554.4	577.3	587.4
47.5°	498.6	507.5	525.3	546.8	558.3
50°	469.4	477.1	496.1	516.4	525.3
52.5°	439.0	446.6	464.4	484.7	494.8
55°	408.5	417.4	433.9	452.9	463.1
57.5°	376.8	385.7	402.2	418.7	430.1
60°	346.4	355.3	370.5	387.0	397.1
62.5°	312.1	319.7	336.2	354.0	361.6
65°	281.7	288.0	302.0	317.2	324.8
67.5°	249.9	257.6	270.2	284.2	293.1
70°	218.2	227.1	237.3	249.9	260.1
72.5°	187.8	195.4	204.3	217.0	225.8
75°	157.3	164.9	172.6	184.0	192.9
77.5°	130.7	134.5	142.1	152.3	161.1
80°	101.5	106.6	112.9	123.1	129.4
82.5°	76.1	81.2	86.3	93.9	100.2
85°	54.6	58.4	63.4	69.8	73.6
87.5°	36.8	40.6	44.4	49.5	53.3
90°	25.4	29.2	31.7	35.5	38.1
92.5°	21.6	24.1	26.6	29.2	31.7
95°	19.0	21.6	24.1	26.6	29.2
97.5°	17.8	19.0	21.6	24.1	25.4
100°	16.5	17.8	19.0	21.6	22.8
102.5°	15.2	15.2	17.8	19.0	20.3
105°	14.0	14.0	15.2	16.5	17.8
107.5°	12.7	12.7	14.0	14.0	16.5
110°	11.4	10.2	11.4	11.4	14.0



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	10.2	8.9	10.2	10.2	11.4
115°	8.9	7.6	7.6	8.9	10.2
117.5°	7.6	6.3	6.3	6.3	8.9
120°	7.6	6.3	5.1	5.1	7.6
122.5°	6.3	5.1	3.8	5.1	6.3
125°	5.1	3.8	2.5	3.8	5.1
127.5°	3.8	3.8	1.3	2.5	3.8
130°	3.8	2.5	1.3	2.5	2.5
132.5°	0.0	0.0	0.0	0.0	0.0
135°	0.0	0.0	0.0	0.0	0.0
137.5°	0.0	0.0	0.0	0.0	0.0
140°	0.0	0.0	0.0	0.0	0.0
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)