

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: P384223

Luminaire Tested: **14ID-20-L835-CFD2**

Issue Date: 2/25/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P384223  
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: 14ID-20-L835-CFD2  
Description: 1X4 IN DEPTH TROFFER WITH 2INCH DROP CUBE LENS

Light Source: -  
Ballast/Driver: -

**Summary**

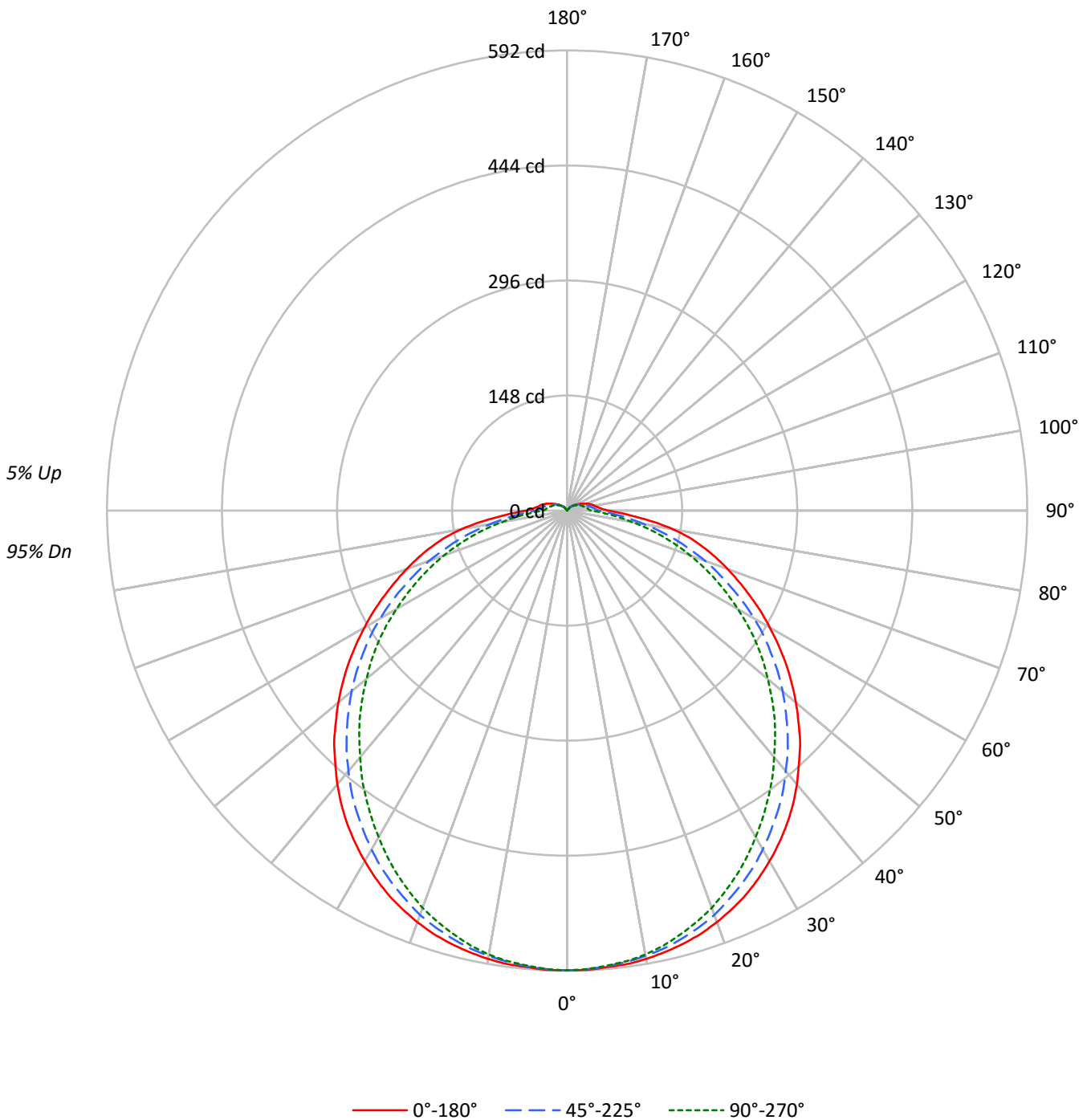
Lumens per Lamp: N/A  
Luminaire Lumens: 1918.4 lumens  
Efficiency: N/A  
Efficacy: 117.0 lumens/watt  
Spacing Criteria (0/90/45): 1.31 / 1.22 / 1.38  
Luminous Opening: Rectangular w/ Sides (W: 1' x L: 4' x H: 0.17')  
CIE Type: Direct

Input Watts (W): 16.4  
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°	1592	1592	1592
5°	1587	1570	1564
10°	1589	1550	1539
15°	1590	1528	1505
20°	1589	1505	1469
25°	1587	1474	1424
30°	1580	1442	1375
35°	1573	1407	1327
40°	1561	1368	1277
45°	1549	1329	1231
50°	1533	1290	1177
55°	1522	1242	1126
60°	1511	1191	1059
65°	1516	1124	990
70°	1551	1057	909
75°	1629	967	806
80°	1735	850	679
85°	1822	735	556



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	56.0	2.9
10°-20°	161.0	8.4
20°-30°	244.5	12.7
30°-40°	295.3	15.4
40°-50°	309.1	16.1
50°-60°	286.8	15.0
60°-70°	232.3	12.1
70°-80°	156.8	8.2
80°-90°	75.8	3.9
90°-100°	38.1	2.0
100°-110°	27.7	1.4
110°-120°	18.5	1.0
120°-130°	10.7	0.6
130°-140°	5.4	0.3
140°-150°	0.4	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	461.5	24.1
0°-40°	756.8	39.4
0°-60°	1352.7	70.5
0°-90°	1817.5	94.7
90°-120°	84.3	4.4
90°-150°	100.9	5.3
90°-180°	101.0	5.3
0°-180°	1918.4	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	592	592	592	592	592	
5°	590	589	589	588	588	56
15°	577	574	570	566	564	163
25°	545	540	530	521	517	251
35°	493	486	472	458	451	308
45°	424	416	401	384	378	327
55°	344	336	320	305	297	307
65°	259	250	232	220	211	257
75°	181	163	144	134	126	191
85°	87	76	64	58	52	82
90°	52	47	41	37	31	30
95°	42	39	35	31	27	33
105°	31	29	26	23	21	33
115°	21	19	19	16	16	21
125°	14	12	13	11	12	12
135°	8	7	7	7	8	6
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°	591.5	591.5	591.5	591.5	591.5
2.5°	591.5	590.5	590.5	590.5	590.5
5°	589.5	588.6	588.6	587.6	587.6
7.5°	588.6	586.6	585.7	584.7	584.7
10°	585.7	583.7	581.8	579.9	579.9
12.5°	581.8	579.9	577.0	573.1	573.1
15°	577.0	574.1	570.2	566.3	564.4
17.5°	571.1	568.2	562.4	556.6	554.7
20°	563.4	559.5	553.7	546.0	544.0
22.5°	554.7	550.8	542.1	534.4	530.5
25°	545.0	540.2	530.5	520.8	516.9
27.5°	533.4	528.6	517.9	506.3	501.5
30°	520.8	515.0	503.4	490.8	485.0
32.5°	507.3	500.5	487.9	474.3	468.5
35°	492.7	486.0	472.4	457.9	451.1
37.5°	477.2	470.5	456.0	440.5	433.7
40°	459.8	453.0	437.6	422.1	414.3
42.5°	441.4	435.6	420.1	403.7	395.9
45°	424.0	416.3	400.8	384.3	377.5
47.5°	403.7	397.9	381.4	365.0	357.2
50°	384.3	377.5	362.1	345.6	336.9
52.5°	364.0	358.2	341.7	325.3	317.5
55°	343.7	335.9	320.4	304.9	297.2
57.5°	322.4	315.6	300.1	285.6	275.9
60°	301.1	294.3	277.8	264.3	253.6
62.5°	280.7	273.0	255.6	241.0	232.3
65°	259.4	249.8	232.3	219.7	211.0
67.5°	239.1	227.5	210.1	198.5	189.7
70°	219.7	206.2	188.8	177.2	168.4
72.5°	200.4	183.9	165.5	154.9	147.1
75°	181.0	162.6	144.2	133.6	125.8
77.5°	161.7	140.4	122.0	113.3	105.5
80°	138.4	118.1	100.7	92.9	85.2
82.5°	112.3	95.8	81.3	73.6	67.8
85°	87.1	75.5	63.9	58.1	52.3
87.5°	67.8	59.1	50.3	45.5	40.7
90°	52.3	47.4	40.7	36.8	31.0
92.5°	45.5	41.6	36.8	32.9	28.1
95°	41.6	38.7	34.8	31.0	27.1
97.5°	37.8	35.8	31.9	29.0	25.2
100°	35.8	32.9	30.0	27.1	24.2
102.5°	33.9	31.0	28.1	25.2	23.2
105°	31.0	29.0	26.1	23.2	21.3
107.5°	29.0	26.1	24.2	21.3	20.3
110°	26.1	24.2	22.3	20.3	19.4



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	23.2	22.3	20.3	18.4	17.4
115°	21.3	19.4	19.4	16.5	16.5
117.5°	19.4	17.4	17.4	15.5	15.5
120°	16.5	15.5	15.5	13.6	13.6
122.5°	14.5	13.6	13.6	12.6	12.6
125°	13.6	11.6	12.6	10.6	11.6
127.5°	11.6	10.6	10.6	9.7	10.6
130°	9.7	8.7	8.7	8.7	9.7
132.5°	8.7	7.7	7.7	7.7	8.7
135°	7.7	6.8	6.8	6.8	7.7
137.5°	6.8	5.8	4.8	5.8	6.8
140°	5.8	4.8	3.9	4.8	5.8
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)