

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: P384615

Luminaire Tested: **22ID-20-L835-CFD3**

Issue Date: 2/25/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P384615  
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-20-L835-CFD3  
Description: 2X2 IN DEPTH TROFFER WITH 3INCH DROP CUBE LENS

Light Source: -  
Ballast/Driver: -

**Summary**

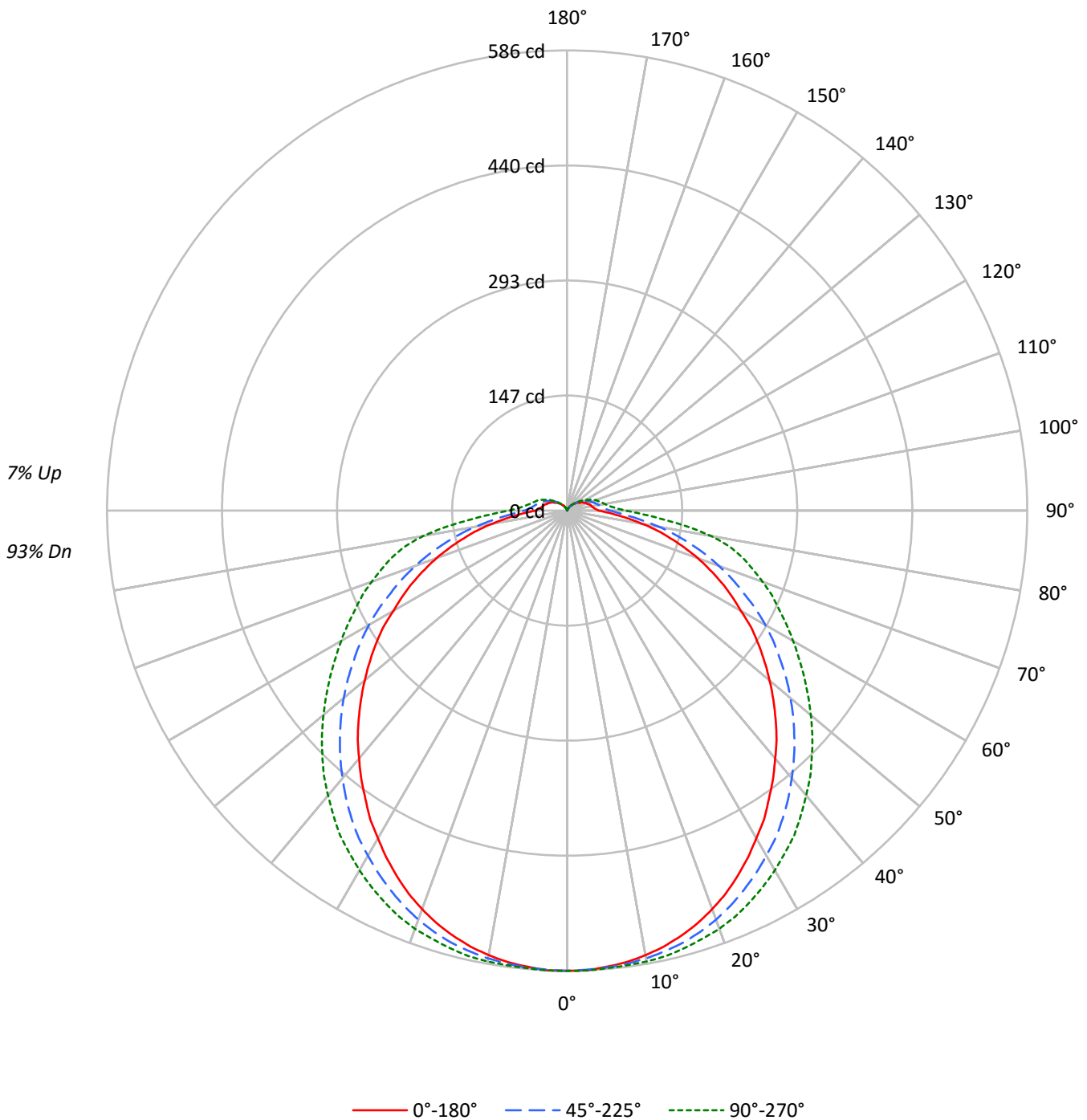
Lumens per Lamp: N/A  
Luminaire Lumens: 2051.1 lumens  
Efficiency: N/A  
Efficacy: 125.8 lumens/watt  
Spacing Criteria (0/90/45): 1.23 / 1.34 / 1.41  
Luminous Opening: Rectangular w/ Sides (W: 2' x L: 2' x H: 0.25')  
CIE Type: Direct

Input Watts (W): 16.3  
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	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°	1577	1577	1577
5°	1558	1554	1563
10°	1537	1534	1559
15°	1511	1516	1555
20°	1479	1492	1552
25°	1441	1462	1544
30°	1396	1431	1533
35°	1353	1399	1523
40°	1311	1361	1506
45°	1270	1323	1491
50°	1226	1284	1476
55°	1185	1241	1466
60°	1131	1201	1471
65°	1089	1143	1495
70°	1037	1089	1551
75°	964	1012	1639
80°	881	919	1688
85°	793	805	1522



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	55.6	2.7
10°-20°	160.6	7.8
20°-30°	245.4	12.0
30°-40°	298.7	14.6
40°-50°	315.7	15.4
50°-60°	298.0	14.5
60°-70°	250.7	12.2
70°-80°	180.7	8.8
80°-90°	95.3	4.6
90°-100°	51.0	2.5
100°-110°	38.8	1.9
110°-120°	28.1	1.4
120°-130°	17.7	0.9
130°-140°	9.5	0.5
140°-150°	4.2	0.2
150°-160°	1.1	0.1
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	461.5	22.5
0°-40°	760.2	37.1
0°-60°	1373.9	67.0
0°-90°	1900.7	92.7
90°-120°	117.9	5.7
90°-150°	149.3	7.3
90°-180°	150.0	7.3
0°-180°	2051.1	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	586	586	586	586	586	
5°	583	583	584	584	585	55
15°	561	563	570	574	577	158
25°	514	520	533	545	550	236
35°	448	458	479	497	504	281
45°	375	387	409	432	441	290
55°	298	311	331	356	368	266
65°	217	229	248	278	298	214
75°	136	147	162	193	231	144
85°	62	71	79	98	120	58
90°	40	47	54	64	74	23
95°	35	40	46	52	56	28
105°	30	33	37	41	43	31
115°	24	26	29	31	33	24
125°	17	17	20	20	22	16
135°	12	11	12	12	13	9
145°	7	6	6	6	7	5
155°	3	3	1	2	3	1
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°	586.1	586.1	586.1	586.1	586.1
2.5°	586.1	585.1	585.1	585.1	586.1
5°	583.1	583.1	584.1	584.1	585.1
7.5°	580.0	580.0	582.0	583.1	584.1
10°	574.9	575.9	579.0	581.0	583.1
12.5°	568.7	569.8	574.9	579.0	581.0
15°	560.6	562.6	569.8	573.9	576.9
17.5°	551.4	554.4	562.6	568.7	571.8
20°	540.1	544.2	554.4	562.6	566.7
22.5°	527.8	531.9	544.2	554.4	559.5
25°	513.5	519.6	532.9	545.2	550.3
27.5°	498.2	505.3	520.7	535.0	540.1
30°	481.8	490.0	507.4	522.7	528.8
32.5°	466.5	474.6	494.1	510.4	516.6
35°	448.0	458.3	478.7	497.1	504.3
37.5°	430.6	440.9	462.4	481.8	489.0
40°	412.2	422.5	445.0	466.5	473.6
42.5°	394.8	405.1	427.6	450.1	458.3
45°	375.4	386.7	409.2	431.7	440.9
47.5°	356.0	367.2	390.8	414.3	423.5
50°	336.5	348.8	371.3	394.8	405.1
52.5°	317.1	329.4	351.9	376.4	386.7
55°	297.7	311.0	331.4	356.0	368.3
57.5°	278.2	291.5	312.0	337.6	349.8
60°	255.7	271.1	291.5	318.1	332.4
62.5°	236.3	249.6	270.1	297.7	315.1
65°	216.9	229.1	247.5	278.2	297.7
67.5°	196.4	209.7	227.1	255.7	282.3
70°	177.0	188.2	205.6	235.3	264.9
72.5°	156.5	167.8	184.1	214.8	247.5
75°	136.0	147.3	161.6	193.3	231.2
77.5°	117.6	126.8	140.1	170.8	211.7
80°	97.2	106.4	118.7	146.3	186.2
82.5°	78.8	86.9	97.2	121.7	153.4
85°	62.4	70.6	78.8	98.2	119.7
87.5°	50.1	56.3	64.4	78.8	93.1
90°	39.9	47.1	54.2	64.4	73.7
92.5°	36.8	43.0	49.1	57.3	63.4
95°	34.8	39.9	46.0	52.2	56.3
97.5°	32.7	37.8	43.0	49.1	52.2
100°	31.7	35.8	40.9	46.0	48.1
102.5°	30.7	33.8	38.9	43.0	46.0
105°	29.7	32.7	36.8	40.9	43.0
107.5°	27.6	30.7	34.8	38.9	40.9
110°	26.6	28.6	32.7	35.8	38.9



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	25.6	27.6	30.7	33.8	35.8
115°	23.5	25.6	28.6	30.7	32.7
117.5°	22.5	23.5	26.6	27.6	29.7
120°	20.5	21.5	24.6	25.6	26.6
122.5°	18.4	19.4	22.5	22.5	24.6
125°	17.4	17.4	20.5	20.5	21.5
127.5°	16.4	16.4	18.4	18.4	19.4
130°	14.3	14.3	16.4	16.4	16.4
132.5°	13.3	12.3	14.3	14.3	15.3
135°	12.3	11.3	12.3	12.3	13.3
137.5°	10.2	10.2	11.3	10.2	11.3
140°	9.2	8.2	9.2	9.2	10.2
142.5°	8.2	7.2	8.2	7.2	8.2
145°	7.2	6.1	6.1	6.1	7.2
147.5°	6.1	5.1	5.1	5.1	6.1
150°	5.1	4.1	4.1	4.1	5.1
152.5°	4.1	3.1	2.0	3.1	4.1
155°	3.1	3.1	1.0	2.0	3.1
157.5°	2.0	2.0	0.0	1.0	2.0
160°	1.0	1.0	0.0	1.0	1.0
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)