

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: P384620

Luminaire Tested: **22ID-25-L840-CFD3**

Issue Date: 2/25/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P384620  
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-L840-CFD3  
Description: 2X2 IN DEPTH TROFFER WITH 3INCH DROP CUBE LENS

Light Source: -  
Ballast/Driver: -

**Summary**

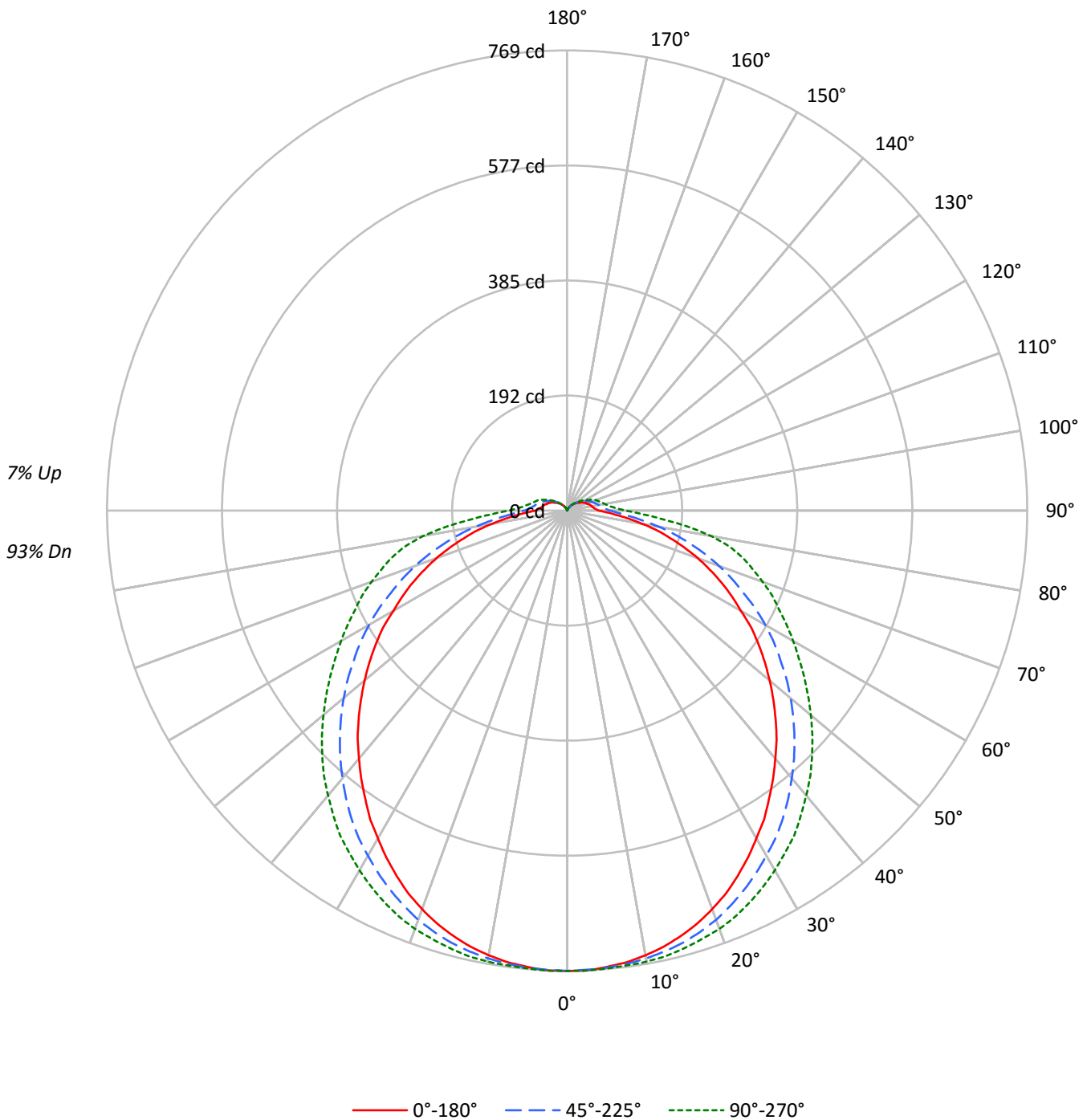
Lumens per Lamp: N/A  
Luminaire Lumens: 2692.1 lumens  
Efficiency: N/A  
Efficacy: 130.1 lumens/watt  
Spacing Criteria (0/90/45): 1.23 / 1.34 / 1.41  
Luminous Opening: Rectangular w/ Sides (W: 2' x L: 2' x H: 0.25')  
CIE Type: Direct

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



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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°	2070	2070	2070
5°	2045	2039	2052
10°	2017	2014	2046
15°	1983	1989	2041
20°	1942	1958	2037
25°	1891	1919	2027
30°	1833	1878	2012
35°	1776	1837	1999
40°	1720	1786	1976
45°	1667	1737	1958
50°	1609	1685	1937
55°	1555	1629	1924
60°	1485	1576	1930
65°	1429	1500	1962
70°	1360	1429	2036
75°	1266	1329	2151
80°	1156	1205	2216
85°	1041	1057	1997



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	72.9	2.7
10°-20°	210.8	7.8
20°-30°	322.1	12.0
30°-40°	392.0	14.6
40°-50°	414.4	15.4
50°-60°	391.1	14.5
60°-70°	329.1	12.2
70°-80°	237.2	8.8
80°-90°	125.1	4.6
90°-100°	67.0	2.5
100°-110°	50.9	1.9
110°-120°	36.9	1.4
120°-130°	23.2	0.9
130°-140°	12.5	0.5
140°-150°	5.5	0.2
150°-160°	1.5	0.1
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	605.8	22.5
0°-40°	997.8	37.1
0°-60°	1803.3	67.0
0°-90°	2494.7	92.7
90°-120°	154.7	5.7
90°-150°	195.9	7.3
90°-180°	197.0	7.3
0°-180°	2692.1	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	769	769	769	769	769	
5°	765	765	767	767	768	73
15°	736	738	748	753	757	208
25°	674	682	700	716	722	310
35°	588	602	628	652	662	368
45°	493	508	537	567	579	380
55°	391	408	435	467	483	349
65°	285	301	325	365	391	281
75°	179	193	212	254	303	190
85°	82	93	103	129	157	77
90°	52	62	71	85	97	30
95°	46	52	60	68	74	36
105°	39	43	48	54	56	41
115°	31	34	38	40	43	31
125°	23	23	27	27	28	21
135°	16	15	16	16	18	12
145°	9	8	8	8	9	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



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	769.3	769.3	769.3	769.3	769.3
2.5°	769.3	768.0	768.0	768.0	769.3
5°	765.3	765.3	766.6	766.6	768.0
7.5°	761.3	761.3	763.9	765.3	766.6
10°	754.5	755.9	759.9	762.6	765.3
12.5°	746.5	747.8	754.5	759.9	762.6
15°	735.7	738.4	747.8	753.2	757.2
17.5°	723.7	727.7	738.4	746.5	750.5
20°	708.9	714.3	727.7	738.4	743.8
22.5°	692.8	698.1	714.3	727.7	734.4
25°	674.0	682.0	699.5	715.6	722.3
27.5°	653.8	663.2	683.4	702.2	708.9
30°	632.4	643.1	665.9	686.1	694.1
32.5°	612.2	623.0	648.5	670.0	678.0
35°	588.1	601.5	628.3	652.5	661.9
37.5°	565.2	578.7	606.9	632.4	641.8
40°	541.1	554.5	584.0	612.2	621.6
42.5°	518.2	531.7	561.2	590.7	601.5
45°	492.7	507.5	537.0	566.6	578.7
47.5°	467.2	482.0	512.9	543.8	555.8
50°	441.7	457.8	487.4	518.2	531.7
52.5°	416.2	432.3	461.9	494.1	507.5
55°	390.7	408.1	435.0	467.2	483.3
57.5°	365.2	382.6	409.5	443.1	459.2
60°	335.6	355.8	382.6	417.5	436.3
62.5°	310.1	327.6	354.4	390.7	413.5
65°	284.6	300.7	324.9	365.2	390.7
67.5°	257.8	275.2	298.1	335.6	370.6
70°	232.3	247.0	269.9	308.8	347.7
72.5°	205.4	220.2	241.7	281.9	324.9
75°	178.6	193.3	212.1	253.8	303.4
77.5°	154.4	166.5	183.9	224.2	277.9
80°	127.5	139.6	155.7	192.0	244.4
82.5°	103.4	114.1	127.5	159.8	201.4
85°	81.9	92.6	103.4	128.9	157.1
87.5°	65.8	73.8	84.6	103.4	122.2
90°	52.4	61.8	71.2	84.6	96.7
92.5°	48.3	56.4	64.4	75.2	83.2
95°	45.6	52.4	60.4	68.5	73.8
97.5°	43.0	49.7	56.4	64.4	68.5
100°	41.6	47.0	53.7	60.4	63.1
102.5°	40.3	44.3	51.0	56.4	60.4
105°	38.9	43.0	48.3	53.7	56.4
107.5°	36.3	40.3	45.6	51.0	53.7
110°	34.9	37.6	43.0	47.0	51.0



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	33.6	36.3	40.3	44.3	47.0
115°	30.9	33.6	37.6	40.3	43.0
117.5°	29.5	30.9	34.9	36.3	38.9
120°	26.9	28.2	32.2	33.6	34.9
122.5°	24.2	25.5	29.5	29.5	32.2
125°	22.8	22.8	26.9	26.9	28.2
127.5°	21.5	21.5	24.2	24.2	25.5
130°	18.8	18.8	21.5	21.5	21.5
132.5°	17.5	16.1	18.8	18.8	20.1
135°	16.1	14.8	16.1	16.1	17.5
137.5°	13.4	13.4	14.8	13.4	14.8
140°	12.1	10.7	12.1	12.1	13.4
142.5°	10.7	9.4	10.7	9.4	10.7
145°	9.4	8.1	8.1	8.1	9.4
147.5°	8.1	6.7	6.7	6.7	8.1
150°	6.7	5.4	5.4	5.4	6.7
152.5°	5.4	4.0	2.7	4.0	5.4
155°	4.0	4.0	1.3	2.7	4.0
157.5°	2.7	2.7	0.0	1.3	2.7
160°	1.3	1.3	0.0	1.3	1.3
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)