

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: P384284

Luminaire Tested: **22ID-25-L840-CFD2**

Issue Date: 2/25/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P384284  
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: 22ID-25-L840-CFD2  
Description: 2X2 IN DEPTH TROFFER WITH 2INCH DROP CUBE LENS

Light Source: -  
Ballast/Driver: -

**Summary**

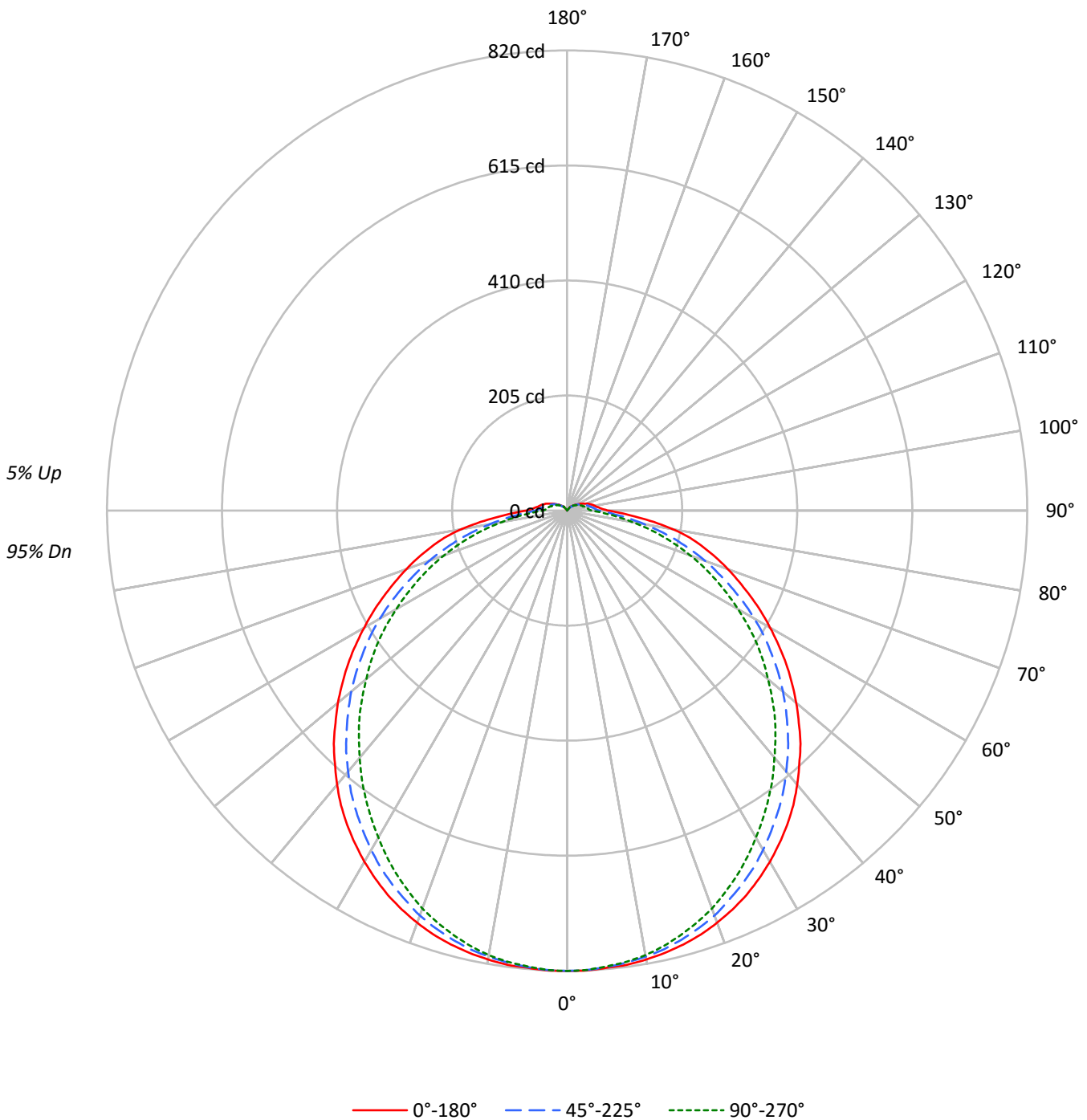
Lumens per Lamp: N/A  
Luminaire Lumens: 2661.2 lumens  
Efficiency: N/A  
Efficacy: 128.6 lumens/watt  
Spacing Criteria (0/90/45): 1.31 / 1.22 / 1.38  
Luminous Opening: Rectangular w/ Sides (W: 2' x L: 2' x H: 0.17')  
CIE Type: Direct

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
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10
RCR																	
0	118	118	118	118	114	114	114	114	108	108	108	102	102	102	97	97	97
1	106	101	96	92	103	98	94	90	93	90	86	88	85	83	84	81	79
2	96	87	80	74	93	85	78	73	81	75	70	77	72	68	73	69	66
3	87	76	68	61	84	74	67	60	71	64	58	67	62	57	64	59	55
4	80	68	58	51	77	66	57	51	63	55	50	60	53	48	57	51	47
5	73	60	51	44	71	59	50	44	56	48	43	53	47	42	51	45	41
6	68	54	45	38	65	53	44	38	50	43	37	48	42	36	46	40	36
7	63	49	40	34	61	48	39	33	46	38	33	44	37	32	42	36	32
8	58	45	36	30	56	44	35	30	42	35	29	40	34	29	39	33	28
9	54	41	33	27	53	40	32	27	39	31	26	37	31	26	36	30	25
10	51	38	30	24	50	37	29	24	36	29	24	34	28	23	33	27	23

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

	0°	45°	90°
0°	2208	2208	2208
5°	2193	2183	2186
10°	2188	2160	2166
15°	2181	2136	2133
20°	2172	2109	2098
25°	2161	2071	2050
30°	2142	2032	1995
35°	2122	1989	1942
40°	2094	1940	1887
45°	2066	1893	1840
50°	2030	1843	1780
55°	1999	1785	1729
60°	1964	1723	1655
65°	1944	1638	1581
70°	1951	1557	1496
75°	1991	1445	1385
80°	2020	1298	1244
85°	1912	1166	1146



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	77.7	2.9
10°-20°	223.3	8.4
20°-30°	339.2	12.7
30°-40°	409.7	15.4
40°-50°	428.8	16.1
50°-60°	397.9	15.0
60°-70°	322.3	12.1
70°-80°	217.5	8.2
80°-90°	105.1	3.9
90°-100°	52.9	2.0
100°-110°	38.4	1.4
110°-120°	25.7	1.0
120°-130°	14.9	0.6
130°-140°	7.5	0.3
140°-150°	0.6	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	640.1	24.1
0°-40°	1049.8	39.4
0°-60°	1876.5	70.5
0°-90°	2521.3	94.7
90°-120°	117.0	4.4
90°-150°	139.9	5.3
90°-180°	140.0	5.3
0°-180°	2661.2	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	820	820	820	820	820	
5°	818	816	816	815	815	78
15°	800	796	791	786	783	226
25°	756	749	736	722	717	348
35°	684	674	655	635	626	428
45°	588	577	556	533	524	453
55°	477	466	444	423	412	426
65°	360	346	322	305	293	357
75°	251	226	200	185	175	265
85°	121	105	89	81	72	114
90°	72	66	56	51	43	41
95°	58	54	48	43	38	45
105°	43	40	36	32	30	46
115°	30	27	27	23	23	29
125°	19	16	18	15	16	16
135°	11	9	9	9	11	8
145°	0	0	0	0	0	1
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°	820.5	820.5	820.5	820.5	820.5
2.5°	820.5	819.2	819.2	819.2	819.2
5°	817.8	816.5	816.5	815.1	815.1
7.5°	816.5	813.8	812.4	811.1	811.1
10°	812.4	809.8	807.1	804.4	804.4
12.5°	807.1	804.4	800.4	795.0	795.0
15°	800.4	796.3	791.0	785.6	782.9
17.5°	792.3	788.3	780.2	772.2	769.5
20°	781.6	776.2	768.1	757.4	754.7
22.5°	769.5	764.1	752.0	741.3	735.9
25°	756.0	749.3	735.9	722.5	717.1
27.5°	739.9	733.2	718.4	702.3	695.6
30°	722.5	714.4	698.3	680.8	672.8
32.5°	703.7	694.3	676.8	658.0	650.0
35°	683.5	674.1	655.3	635.2	625.8
37.5°	662.0	652.6	632.5	611.0	601.6
40°	637.9	628.5	607.0	585.5	574.8
42.5°	612.4	604.3	582.8	560.0	549.2
45°	588.2	577.4	556.0	533.1	523.7
47.5°	560.0	551.9	529.1	506.3	495.5
50°	533.1	523.7	502.2	479.4	467.3
52.5°	504.9	496.9	474.0	451.2	440.5
55°	476.7	466.0	444.5	423.0	412.3
57.5°	447.2	437.8	416.3	396.1	382.7
60°	417.6	408.2	385.4	366.6	351.8
62.5°	389.4	378.7	354.5	334.4	322.3
65°	359.9	346.5	322.3	304.8	292.7
67.5°	331.7	315.6	291.4	275.3	263.2
70°	304.8	286.0	261.9	245.7	233.7
72.5°	278.0	255.1	229.6	214.9	204.1
75°	251.1	225.6	200.1	185.3	174.6
77.5°	224.3	194.7	169.2	157.1	146.4
80°	192.0	163.8	139.7	128.9	118.2
82.5°	155.8	132.9	112.8	102.1	94.0
85°	120.9	104.7	88.6	80.6	72.5
87.5°	94.0	81.9	69.8	63.1	56.4
90°	72.5	65.8	56.4	51.0	43.0
92.5°	63.1	57.7	51.0	45.7	38.9
95°	57.7	53.7	48.3	43.0	37.6
97.5°	52.4	49.7	44.3	40.3	34.9
100°	49.7	45.7	41.6	37.6	33.6
102.5°	47.0	43.0	38.9	34.9	32.2
105°	43.0	40.3	36.3	32.2	29.5
107.5°	40.3	36.3	33.6	29.5	28.2
110°	36.3	33.6	30.9	28.2	26.9



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	32.2	30.9	28.2	25.5	24.2
115°	29.5	26.9	26.9	22.8	22.8
117.5°	26.9	24.2	24.2	21.5	21.5
120°	22.8	21.5	21.5	18.8	18.8
122.5°	20.1	18.8	18.8	17.5	17.5
125°	18.8	16.1	17.5	14.8	16.1
127.5°	16.1	14.8	14.8	13.4	14.8
130°	13.4	12.1	12.1	12.1	13.4
132.5°	12.1	10.7	10.7	10.7	12.1
135°	10.7	9.4	9.4	9.4	10.7
137.5°	9.4	8.1	6.7	8.1	9.4
140°	8.1	6.7	5.4	6.7	8.1
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)