

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: P384628

Luminaire Tested: **22ID-35-L840-CFD3**

Issue Date: 2/25/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P384628  
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-35-L840-CFD3  
Description: 2X2 IN DEPTH TROFFER WITH 3INCH DROP CUBE LENS

Light Source: -  
Ballast/Driver: -

**Summary**

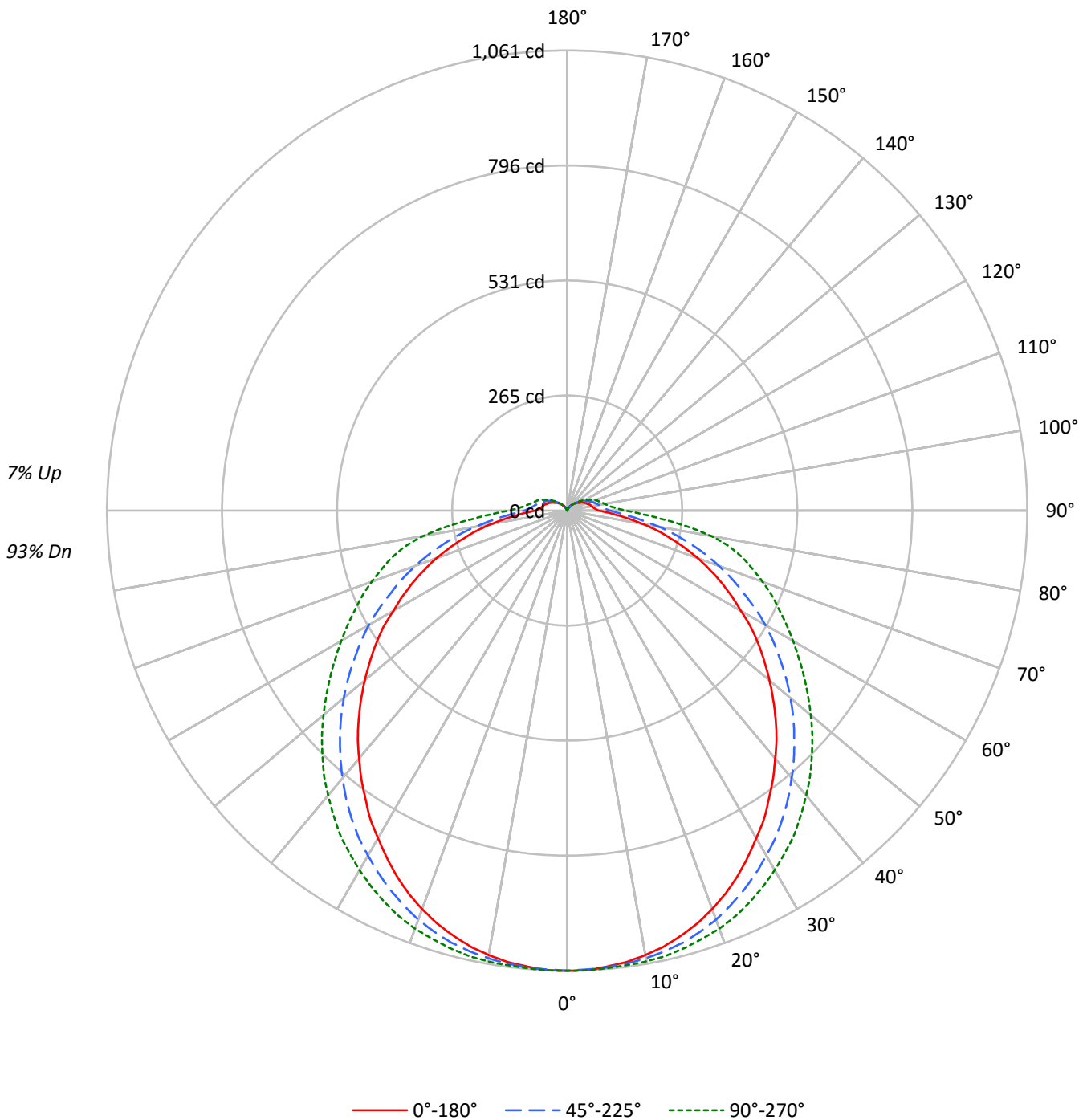
Lumens per Lamp: N/A  
Luminaire Lumens: 3712.7 lumens  
Efficiency: N/A  
Efficacy: 130.7 lumens/watt  
Spacing Criteria (0/90/45): 1.23 / 1.34 / 1.41  
Luminous Opening: Rectangular w/ Sides (W: 2' x L: 2' x H: 0.25')  
CIE Type: Direct

Input Watts (W): 28.4  
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°	2855	2855	2855
5°	2820	2813	2830
10°	2782	2777	2822
15°	2735	2743	2815
20°	2678	2700	2810
25°	2608	2646	2795
30°	2527	2589	2774
35°	2450	2533	2757
40°	2372	2464	2726
45°	2299	2395	2699
50°	2220	2324	2672
55°	2145	2247	2654
60°	2048	2174	2662
65°	1971	2069	2706
70°	1876	1971	2809
75°	1746	1833	2967
80°	1595	1662	3056
85°	1435	1458	2754



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	100.6	2.7
10°-20°	290.7	7.8
20°-30°	444.2	12.0
30°-40°	540.6	14.6
40°-50°	571.4	15.4
50°-60°	539.4	14.5
60°-70°	453.8	12.2
70°-80°	327.2	8.8
80°-90°	172.5	4.6
90°-100°	92.4	2.5
100°-110°	70.2	1.9
110°-120°	50.9	1.4
120°-130°	31.9	0.9
130°-140°	17.3	0.5
140°-150°	7.5	0.2
150°-160°	2.0	0.1
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-30°	835.5	22.5
0°-40°	1376.1	37.1
0°-60°	2486.9	67.0
0°-90°	3440.5	92.7
90°-120°	213.4	5.7
90°-150°	270.1	7.3
90°-180°	272.0	7.3
0°-180°	3712.7	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1061	1061	1061	1061	1061	
5°	1055	1055	1057	1057	1059	100
15°	1015	1018	1031	1039	1044	286
25°	930	941	965	987	996	428
35°	811	830	866	900	913	508
45°	680	700	741	781	798	524
55°	539	563	600	644	667	482
65°	392	415	448	504	539	388
75°	246	267	293	350	418	261
85°	113	128	143	178	217	106
90°	72	85	98	117	133	41
95°	63	72	83	94	102	50
105°	54	59	67	74	78	56
115°	43	46	52	56	59	43
125°	32	32	37	37	39	28
135°	22	20	22	22	24	17
145°	13	11	11	11	13	8
155°	6	6	2	4	6	3
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°	1061.0	1061.0	1061.0	1061.0	1061.0
2.5°	1061.0	1059.1	1059.1	1059.1	1061.0
5°	1055.4	1055.4	1057.3	1057.3	1059.1
7.5°	1049.8	1049.8	1053.6	1055.4	1057.3
10°	1040.6	1042.4	1048.0	1051.7	1055.4
12.5°	1029.5	1031.3	1040.6	1048.0	1051.7
15°	1014.7	1018.4	1031.3	1038.7	1044.3
17.5°	998.0	1003.6	1018.4	1029.5	1035.0
20°	977.6	985.0	1003.6	1018.4	1025.8
22.5°	955.4	962.8	985.0	1003.6	1012.8
25°	929.5	940.6	964.7	986.9	996.2
27.5°	901.7	914.7	942.5	968.4	977.6
30°	872.1	886.9	918.4	946.2	957.3
32.5°	844.3	859.1	894.3	923.9	935.1
35°	811.0	829.5	866.5	899.9	912.8
37.5°	779.5	798.0	836.9	872.1	885.1
40°	746.2	764.7	805.4	844.3	857.3
42.5°	714.7	733.2	774.0	814.7	829.5
45°	679.5	699.9	740.6	781.4	798.0
47.5°	644.4	664.7	707.3	749.9	766.6
50°	609.2	631.4	672.1	714.7	733.2
52.5°	574.0	596.2	636.9	681.4	699.9
55°	538.8	562.9	599.9	644.4	666.6
57.5°	503.6	527.7	564.7	611.0	633.2
60°	462.9	490.7	527.7	575.8	601.8
62.5°	427.7	451.8	488.8	538.8	570.3
65°	392.5	414.8	448.1	503.6	538.8
67.5°	355.5	379.6	411.1	462.9	511.0
70°	320.3	340.7	372.2	425.9	479.6
72.5°	283.3	303.7	333.3	388.8	448.1
75°	246.3	266.6	292.6	349.9	418.5
77.5°	212.9	229.6	253.7	309.2	383.3
80°	175.9	192.6	214.8	264.8	337.0
82.5°	142.6	157.4	175.9	220.3	277.7
85°	112.9	127.8	142.6	177.8	216.6
87.5°	90.7	101.8	116.6	142.6	168.5
90°	72.2	85.2	98.1	116.6	133.3
92.5°	66.7	77.8	88.9	103.7	114.8
95°	63.0	72.2	83.3	94.4	101.8
97.5°	59.3	68.5	77.8	88.9	94.4
100°	57.4	64.8	74.1	83.3	87.0
102.5°	55.5	61.1	70.4	77.8	83.3
105°	53.7	59.3	66.7	74.1	77.8
107.5°	50.0	55.5	63.0	70.4	74.1
110°	48.1	51.8	59.3	64.8	70.4



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	46.3	50.0	55.5	61.1	64.8
115°	42.6	46.3	51.8	55.5	59.3
117.5°	40.7	42.6	48.1	50.0	53.7
120°	37.0	38.9	44.4	46.3	48.1
122.5°	33.3	35.2	40.7	40.7	44.4
125°	31.5	31.5	37.0	37.0	38.9
127.5°	29.6	29.6	33.3	33.3	35.2
130°	25.9	25.9	29.6	29.6	29.6
132.5°	24.1	22.2	25.9	25.9	27.8
135°	22.2	20.4	22.2	22.2	24.1
137.5°	18.5	18.5	20.4	18.5	20.4
140°	16.7	14.8	16.7	16.7	18.5
142.5°	14.8	13.0	14.8	13.0	14.8
145°	13.0	11.1	11.1	11.1	13.0
147.5°	11.1	9.3	9.3	9.3	11.1
150°	9.3	7.4	7.4	7.4	9.3
152.5°	7.4	5.6	3.7	5.6	7.4
155°	5.6	5.6	1.9	3.7	5.6
157.5°	3.7	3.7	0.0	1.9	3.7
160°	1.9	1.9	0.0	1.9	1.9
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)