

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: P384572

Luminaire Tested: **14ID-35-L840-CFD3**

Issue Date: 2/25/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P384572  
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: 14ID-35-L840-CFD3  
Description: 1X4 IN DEPTH TROFFER WITH 3INCH DROP CUBE LENS

Light Source: -  
Ballast/Driver: -

**Summary**

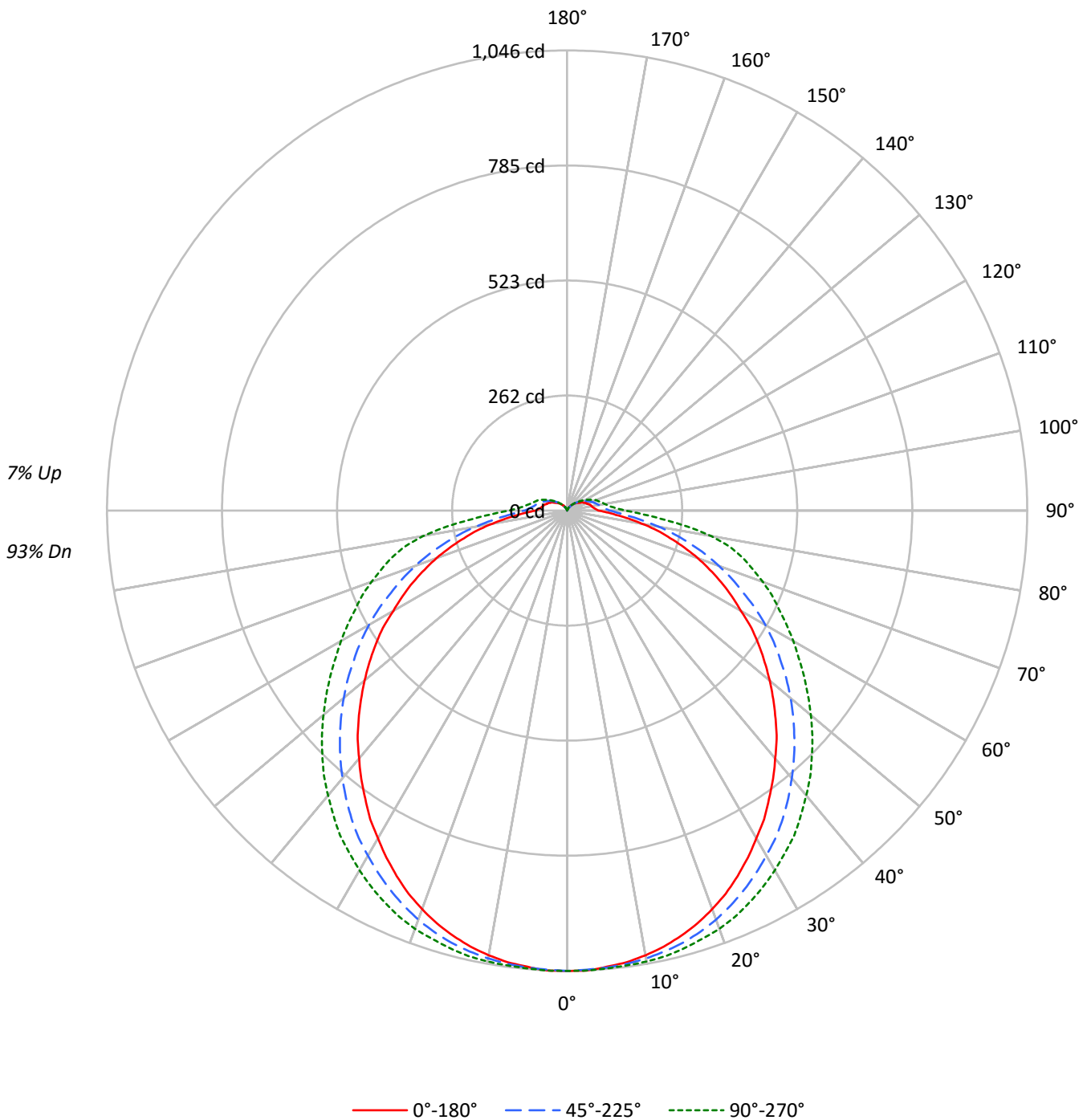
Lumens per Lamp: N/A  
Luminaire Lumens: 3661.6 lumens  
Efficiency: N/A  
Efficacy: 128.5 lumens/watt  
Spacing Criteria (0/90/45): 1.23 / 1.34 / 1.41  
Luminous Opening: Rectangular w/ Sides (W: 1' x L: 4' x H: 0.25')  
CIE Type: Direct

Input Watts (W): 28.5  
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°	2816	2816	2816
5°	2796	2763	2761
10°	2774	2718	2724
15°	2742	2675	2689
20°	2700	2623	2656
25°	2645	2561	2612
30°	2579	2496	2564
35°	2517	2431	2517
40°	2456	2354	2455
45°	2400	2277	2396
50°	2341	2197	2332
55°	2289	2110	2273
60°	2217	2026	2229
65°	2174	1909	2203
70°	2121	1797	2206
75°	2048	1644	2220
80°	1985	1457	2130
85°	2006	1231	1710



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	99.2	2.7
10°-20°	286.7	7.8
20°-30°	438.0	12.0
30°-40°	533.2	14.6
40°-50°	563.6	15.4
50°-60°	532.0	14.5
60°-70°	447.6	12.2
70°-80°	322.7	8.8
80°-90°	170.2	4.6
90°-100°	91.1	2.5
100°-110°	69.2	1.9
110°-120°	50.2	1.4
120°-130°	31.5	0.9
130°-140°	17.0	0.5
140°-150°	7.4	0.2
150°-160°	2.0	0.1
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-30°	824.0	22.5
0°-40°	1357.2	37.1
0°-60°	2452.7	67.0
0°-90°	3393.1	92.7
90°-120°	210.4	5.7
90°-150°	266.4	7.3
90°-180°	268.0	7.3
0°-180°	3661.6	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1046	1046	1046	1046	1046	
5°	1041	1041	1043	1043	1044	99
15°	1001	1004	1017	1024	1030	282
25°	917	928	951	973	982	422
35°	800	818	855	888	900	501
45°	670	690	730	771	787	517
55°	531	555	592	636	657	475
65°	387	409	442	497	531	383
75°	243	263	288	345	413	258
85°	111	126	141	175	214	104
90°	71	84	97	115	132	41
95°	62	71	82	93	100	49
105°	53	58	66	73	77	55
115°	42	46	51	55	58	42
125°	31	31	36	36	38	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°	1046.4	1046.4	1046.4	1046.4	1046.4
2.5°	1046.4	1044.5	1044.5	1044.5	1046.4
5°	1040.9	1040.9	1042.7	1042.7	1044.5
7.5°	1035.4	1035.4	1039.1	1040.9	1042.7
10°	1026.3	1028.1	1033.6	1037.2	1040.9
12.5°	1015.3	1017.1	1026.3	1033.6	1037.2
15°	1000.7	1004.4	1017.1	1024.4	1029.9
17.5°	984.3	989.7	1004.4	1015.3	1020.8
20°	964.2	971.5	989.7	1004.4	1011.7
22.5°	942.3	949.6	971.5	989.7	998.9
25°	916.7	927.7	951.4	973.3	982.4
27.5°	889.3	902.1	929.5	955.1	964.2
30°	860.1	874.7	905.7	933.1	944.1
32.5°	832.7	847.3	882.0	911.2	922.2
35°	799.8	818.1	854.6	887.5	900.3
37.5°	768.8	787.0	825.4	860.1	872.9
40°	735.9	754.2	794.4	832.7	845.5
42.5°	704.9	723.1	763.3	803.5	818.1
45°	670.2	690.3	730.4	770.6	787.0
47.5°	635.5	655.6	697.6	739.6	756.0
50°	600.8	622.7	662.9	704.9	723.1
52.5°	566.1	588.0	628.2	672.0	690.3
55°	531.4	555.1	591.7	635.5	657.4
57.5°	496.7	520.4	557.0	602.6	624.5
60°	456.5	483.9	520.4	567.9	593.5
62.5°	421.8	445.6	482.1	531.4	562.4
65°	387.1	409.0	441.9	496.7	531.4
67.5°	350.6	374.4	405.4	456.5	504.0
70°	315.9	336.0	367.0	420.0	473.0
72.5°	279.4	299.5	328.7	383.5	441.9
75°	242.9	263.0	288.5	345.1	412.7
77.5°	210.0	226.4	250.2	305.0	378.0
80°	173.5	189.9	211.8	261.1	332.4
82.5°	140.6	155.2	173.5	217.3	273.9
85°	111.4	126.0	140.6	175.3	213.7
87.5°	89.5	100.4	115.0	140.6	166.2
90°	71.2	84.0	96.8	115.0	131.5
92.5°	65.7	76.7	87.7	102.3	113.2
95°	62.1	71.2	82.2	93.1	100.4
97.5°	58.4	67.6	76.7	87.7	93.1
100°	56.6	63.9	73.0	82.2	85.8
102.5°	54.8	60.3	69.4	76.7	82.2
105°	53.0	58.4	65.7	73.0	76.7
107.5°	49.3	54.8	62.1	69.4	73.0
110°	47.5	51.1	58.4	63.9	69.4



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	45.7	49.3	54.8	60.3	63.9
115°	42.0	45.7	51.1	54.8	58.4
117.5°	40.2	42.0	47.5	49.3	53.0
120°	36.5	38.3	43.8	45.7	47.5
122.5°	32.9	34.7	40.2	40.2	43.8
125°	31.0	31.0	36.5	36.5	38.3
127.5°	29.2	29.2	32.9	32.9	34.7
130°	25.6	25.6	29.2	29.2	29.2
132.5°	23.7	21.9	25.6	25.6	27.4
135°	21.9	20.1	21.9	21.9	23.7
137.5°	18.3	18.3	20.1	18.3	20.1
140°	16.4	14.6	16.4	16.4	18.3
142.5°	14.6	12.8	14.6	12.8	14.6
145°	12.8	11.0	11.0	11.0	12.8
147.5°	11.0	9.1	9.1	9.1	11.0
150°	9.1	7.3	7.3	7.3	9.1
152.5°	7.3	5.5	3.7	5.5	7.3
155°	5.5	5.5	1.8	3.7	5.5
157.5°	3.7	3.7	0.0	1.8	3.7
160°	1.8	1.8	0.0	1.8	1.8
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)