

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: P384067

Luminaire Tested: **14ID-35-L835-CFD1**

Issue Date: 2/25/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P384067  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1911-572-67)  
Test Lab: INNOVATION CENTER (G2)  
Issue Date: 2/25/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: 14ID-35-L835-CFD1  
Description: 1X4 IN DEPTH TROFFER WITH 1INCH DROP CUBE LENS

Light Source: -  
Ballast/Driver: -

**Summary**

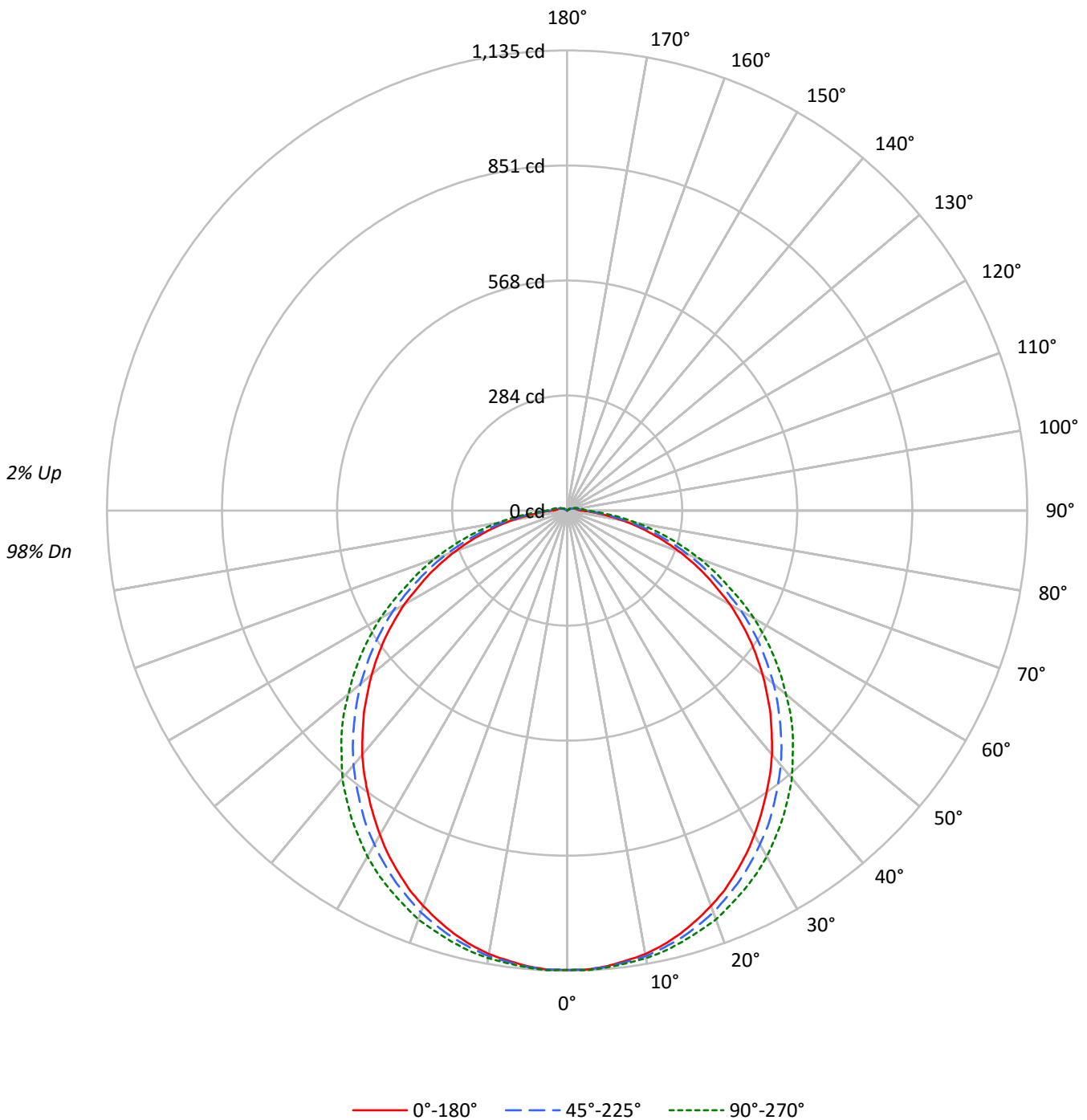
Lumens per Lamp: N/A  
Luminaire Lumens: 3355.2 lumens  
Efficiency: N/A  
Efficacy: 118.1 lumens/watt  
Spacing Criteria (0/90/45): 1.21 / 1.29 / 1.37  
Luminous Opening: Rectangular w/ Sides (W: 1' x L: 4' x H: 0.08')  
CIE Type: Direct

Input Watts (W): 28.4  
Input Voltage (V): NR  
Input Current (Ain): 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	119	119	119	119	116	116	116	116	110	110	110	105	105	105	100	100	100	98
1	108	103	98	94	105	100	96	92	96	92	89	91	88	86	87	85	83	81
2	98	89	82	76	95	87	81	75	83	78	73	80	75	71	76	73	69	67
3	89	78	70	63	86	76	69	63	73	67	61	70	64	60	67	62	58	56
4	81	69	60	53	79	68	59	53	65	58	52	62	56	51	60	55	50	48
5	75	62	53	46	73	61	52	46	58	51	45	56	49	44	54	48	44	41
6	69	56	47	40	67	55	46	40	52	45	39	51	44	39	49	43	38	36
7	64	50	42	35	62	49	41	35	48	40	35	46	39	34	45	39	34	32
8	60	46	37	32	58	45	37	31	44	36	31	42	36	31	41	35	30	28
9	56	42	34	28	54	41	34	28	40	33	28	39	32	28	38	32	27	26
10	52	39	31	26	51	38	31	26	37	30	25	36	30	25	35	29	25	23

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

	0°	45°	90°
0°	3049	3049	3049
5°	3041	3032	3034
10°	3024	3010	3019
15°	2992	2979	2999
20°	2949	2941	2983
25°	2896	2891	2951
30°	2836	2834	2920
35°	2770	2774	2877
40°	2713	2713	2832
45°	2644	2635	2767
50°	2571	2560	2682
55°	2495	2469	2603
60°	2412	2371	2504
65°	2302	2226	2353
70°	2178	2082	2233
75°	2035	1886	2051
80°	1886	1655	1826
85°	1823	1427	1561



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	107.3	3.2
10°-20°	307.6	9.2
20°-30°	464.3	13.8
30°-40°	556.4	16.6
40°-50°	575.2	17.1
50°-60°	520.9	15.5
60°-70°	403.1	12.0
70°-80°	247.6	7.4
80°-90°	98.4	2.9
90°-100°	35.9	1.1
100°-110°	22.0	0.7
110°-120°	11.3	0.3
120°-130°	4.8	0.1
130°-140°	0.3	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	879.2	26.2
0°-40°	1435.6	42.8
0°-60°	2531.7	75.5
0°-90°	3280.7	97.8
90°-120°	69.2	2.1
90°-150°	74.4	2.2
90°-180°	74.0	2.2
0°-180°	3355.2	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1133	1133	1133	1133	1133	
5°	1128	1128	1130	1130	1131	107
15°	1080	1082	1090	1097	1101	304
25°	985	992	1007	1024	1032	454
35°	856	866	888	912	927	536
45°	709	718	743	774	788	547
55°	548	560	582	607	621	489
65°	378	386	405	425	436	374
75°	211	221	231	247	259	225
85°	73	78	85	94	99	73
90°	34	39	42	48	51	20
95°	26	29	32	36	39	20
105°	19	19	20	22	24	20
115°	12	10	10	12	14	12
125°	7	5	3	5	7	6
135°	0	0	0	0	0	1
145°	0	0	0	0	0	0
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°	1132.9	1132.9	1132.9	1132.9	1132.9
2.5°	1132.9	1131.2	1132.9	1132.9	1134.6
5°	1127.8	1127.8	1129.5	1129.5	1131.2
7.5°	1119.3	1119.3	1122.7	1124.4	1126.1
10°	1110.8	1110.8	1115.9	1117.6	1121.0
12.5°	1097.1	1098.8	1104.0	1109.1	1112.5
15°	1080.1	1081.8	1090.3	1097.1	1100.6
17.5°	1059.7	1063.1	1073.3	1083.5	1086.9
20°	1037.6	1042.7	1054.6	1066.5	1073.3
22.5°	1013.8	1017.2	1030.8	1046.1	1052.9
25°	984.9	991.7	1007.0	1024.0	1032.5
27.5°	956.0	962.8	979.8	1000.2	1010.4
30°	923.6	930.5	950.9	973.0	984.9
32.5°	889.6	898.1	921.9	944.1	956.0
35°	855.6	865.8	887.9	911.7	927.0
37.5°	821.6	830.1	853.9	879.4	894.7
40°	785.9	794.4	819.9	845.4	862.4
42.5°	746.7	756.9	782.5	809.7	823.3
45°	709.3	717.8	743.3	774.0	787.6
47.5°	668.5	680.4	704.2	733.1	748.4
50°	629.4	639.6	665.1	692.3	704.2
52.5°	588.5	598.8	622.6	649.8	663.4
55°	547.7	559.6	581.7	607.3	620.9
57.5°	505.2	517.1	539.2	561.3	576.6
60°	464.4	476.3	496.7	518.8	532.4
62.5°	418.4	428.7	450.8	474.6	484.8
65°	377.6	386.1	404.8	425.3	435.5
67.5°	335.1	345.3	362.3	381.0	392.9
70°	292.6	304.5	318.1	335.1	348.7
72.5°	251.7	262.0	273.9	290.9	302.8
75°	210.9	221.1	231.3	246.6	258.6
77.5°	175.2	180.3	190.5	204.1	216.0
80°	136.1	142.9	151.4	165.0	173.5
82.5°	102.1	108.9	115.7	125.9	134.4
85°	73.1	78.2	85.1	93.6	98.7
87.5°	49.3	54.4	59.5	66.3	71.4
90°	34.0	39.1	42.5	47.6	51.0
92.5°	28.9	32.3	35.7	39.1	42.5
95°	25.5	28.9	32.3	35.7	39.1
97.5°	23.8	25.5	28.9	32.3	34.0
100°	22.1	23.8	25.5	28.9	30.6
102.5°	20.4	20.4	23.8	25.5	27.2
105°	18.7	18.7	20.4	22.1	23.8
107.5°	17.0	17.0	18.7	18.7	22.1
110°	15.3	13.6	15.3	15.3	18.7



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	13.6	11.9	13.6	13.6	15.3
115°	11.9	10.2	10.2	11.9	13.6
117.5°	10.2	8.5	8.5	8.5	11.9
120°	10.2	8.5	6.8	6.8	10.2
122.5°	8.5	6.8	5.1	6.8	8.5
125°	6.8	5.1	3.4	5.1	6.8
127.5°	5.1	5.1	1.7	3.4	5.1
130°	5.1	3.4	1.7	3.4	3.4
132.5°	0.0	0.0	0.0	0.0	0.0
135°	0.0	0.0	0.0	0.0	0.0
137.5°	0.0	0.0	0.0	0.0	0.0
140°	0.0	0.0	0.0	0.0	0.0
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)