

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: P384295

Luminaire Tested: **22ID-40-L835-CFD2**

Issue Date: 2/25/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P384295  
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-40-L835-CFD2  
Description: 2X2 IN DEPTH TROFFER WITH 2INCH DROP CUBE LENS

Light Source: -  
Ballast/Driver: -

**Summary**

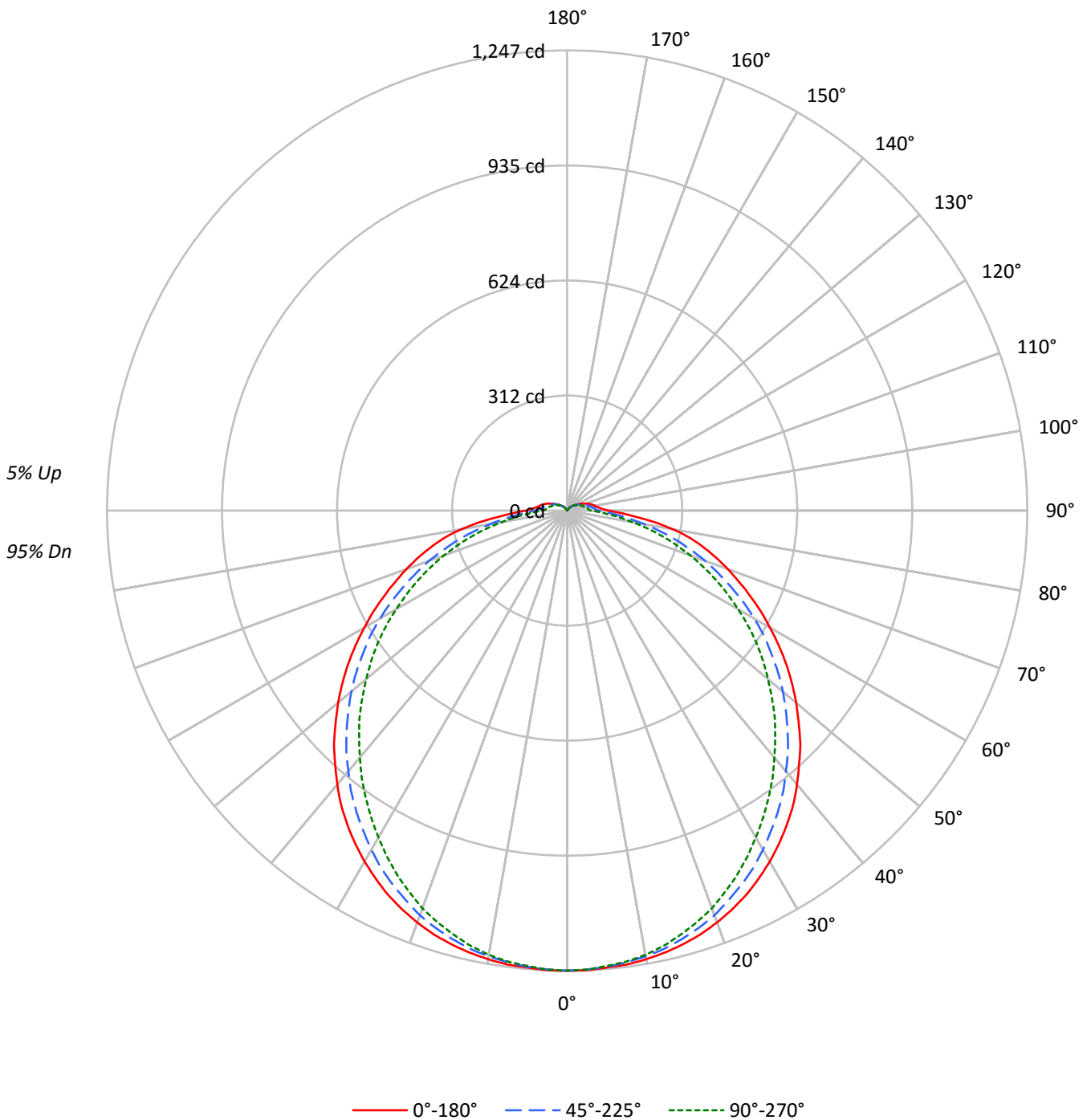
Lumens per Lamp: N/A  
Luminaire Lumens: 4044.1 lumens  
Efficiency: N/A  
Efficacy: 124.4 lumens/watt  
Spacing Criteria (0/90/45): 1.31 / 1.22 / 1.38  
Luminous Opening: Rectangular w/ Sides (W: 2' x L: 2' x H: 0.17')  
CIE Type: Direct

Input Watts (W): 32.5  
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	118	118	118	118	114	114	114	114	108	108	108	102	102	102	97	97	97	95
1	106	101	96	92	103	98	94	90	93	90	86	88	85	83	84	81	79	77
2	96	87	80	74	93	85	78	73	81	75	70	77	72	68	73	69	66	63
3	87	76	68	61	84	74	67	60	71	64	58	67	62	57	64	59	55	53
4	80	68	58	51	77	66	57	51	63	55	50	60	53	48	57	51	47	45
5	73	60	51	44	71	59	50	44	56	48	43	53	47	42	51	45	41	38
6	68	54	45	38	65	53	44	38	50	43	37	48	42	36	46	40	36	33
7	63	49	40	34	61	48	39	33	46	38	33	44	37	32	42	36	32	30
8	58	45	36	30	56	44	35	30	42	35	29	40	34	29	39	33	28	26
9	54	41	33	27	53	40	32	27	39	31	26	37	31	26	36	30	25	24
10	51	38	30	24	50	37	29	24	36	29	24	34	28	23	33	27	23	21

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

	0°	45°	90°
0°	3355	3355	3355
5°	3333	3317	3322
10°	3325	3283	3292
15°	3314	3246	3242
20°	3301	3205	3188
25°	3284	3147	3114
30°	3255	3087	3031
35°	3224	3022	2952
40°	3182	2949	2868
45°	3140	2876	2796
50°	3085	2802	2705
55°	3038	2713	2627
60°	2985	2618	2515
65°	2954	2490	2403
70°	2965	2365	2273
75°	3026	2196	2104
80°	3071	1971	1890
85°	2905	1772	1743



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	118.0	2.9
10°-20°	339.3	8.4
20°-30°	515.4	12.7
30°-40°	622.6	15.4
40°-50°	651.6	16.1
50°-60°	604.6	15.0
60°-70°	489.7	12.1
70°-80°	330.5	8.2
80°-90°	159.7	3.9
90°-100°	80.3	2.0
100°-110°	58.4	1.4
110°-120°	39.0	1.0
120°-130°	22.6	0.6
130°-140°	11.4	0.3
140°-150°	0.9	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	972.8	24.1
0°-40°	1595.3	39.4
0°-60°	2851.6	70.5
0°-90°	3831.5	94.7
90°-120°	177.7	4.4
90°-150°	212.6	5.3
90°-180°	213.0	5.3
0°-180°	4044.1	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1247	1247	1247	1247	1247	
5°	1243	1241	1241	1239	1239	118
15°	1216	1210	1202	1194	1190	344
25°	1149	1139	1118	1098	1090	529
35°	1039	1024	996	965	951	650
45°	894	878	845	810	796	689
55°	724	708	676	643	626	648
65°	547	526	490	463	445	543
75°	382	343	304	282	265	402
85°	184	159	135	122	110	174
90°	110	100	86	78	65	63
95°	88	82	74	65	57	69
105°	65	61	55	49	45	70
115°	45	41	41	35	35	45
125°	29	24	26	22	24	25
135°	16	14	14	14	16	13
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°	1246.9	1246.9	1246.9	1246.9	1246.9
2.5°	1246.9	1244.8	1244.8	1244.8	1244.8
5°	1242.8	1240.7	1240.7	1238.7	1238.7
7.5°	1240.7	1236.7	1234.6	1232.6	1232.6
10°	1234.6	1230.5	1226.5	1222.4	1222.4
12.5°	1226.5	1222.4	1216.3	1208.1	1208.1
15°	1216.3	1210.1	1202.0	1193.8	1189.7
17.5°	1204.0	1197.9	1185.7	1173.4	1169.3
20°	1187.7	1179.5	1167.3	1151.0	1146.9
22.5°	1169.3	1161.2	1142.8	1126.5	1118.3
25°	1148.9	1138.7	1118.3	1097.9	1089.7
27.5°	1124.4	1114.2	1091.8	1067.3	1057.1
30°	1097.9	1085.7	1061.2	1034.6	1022.4
32.5°	1069.3	1055.0	1028.5	999.9	987.7
35°	1038.7	1024.4	995.9	965.3	951.0
37.5°	1006.1	991.8	961.2	928.5	914.2
40°	969.3	955.1	922.4	889.7	873.4
42.5°	930.6	918.3	885.7	851.0	834.6
45°	893.8	877.5	844.9	810.2	795.9
47.5°	851.0	838.7	804.0	769.3	753.0
50°	810.2	795.9	763.2	728.5	710.2
52.5°	767.3	755.1	720.4	685.7	669.4
55°	724.5	708.1	675.5	642.8	626.5
57.5°	679.6	665.3	632.6	602.0	581.6
60°	634.7	620.4	585.7	557.1	534.7
62.5°	591.8	575.5	538.7	508.1	489.8
65°	546.9	526.5	489.8	463.2	444.9
67.5°	504.1	479.6	442.8	418.3	400.0
70°	463.2	434.7	397.9	373.4	355.1
72.5°	422.4	387.7	349.0	326.5	310.2
75°	381.6	342.8	304.1	281.6	265.3
77.5°	340.8	295.9	257.1	238.8	222.4
80°	291.8	249.0	212.2	195.9	179.6
82.5°	236.7	202.0	171.4	155.1	142.8
85°	183.7	159.2	134.7	122.4	110.2
87.5°	142.8	124.5	106.1	95.9	85.7
90°	110.2	100.0	85.7	77.5	65.3
92.5°	95.9	87.8	77.5	69.4	59.2
95°	87.8	81.6	73.5	65.3	57.1
97.5°	79.6	75.5	67.3	61.2	53.1
100°	75.5	69.4	63.3	57.1	51.0
102.5°	71.4	65.3	59.2	53.1	49.0
105°	65.3	61.2	55.1	49.0	44.9
107.5°	61.2	55.1	51.0	44.9	42.9
110°	55.1	51.0	46.9	42.9	40.8



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	49.0	46.9	42.9	38.8	36.7
115°	44.9	40.8	40.8	34.7	34.7
117.5°	40.8	36.7	36.7	32.7	32.7
120°	34.7	32.7	32.7	28.6	28.6
122.5°	30.6	28.6	28.6	26.5	26.5
125°	28.6	24.5	26.5	22.4	24.5
127.5°	24.5	22.4	22.4	20.4	22.4
130°	20.4	18.4	18.4	18.4	20.4
132.5°	18.4	16.3	16.3	16.3	18.4
135°	16.3	14.3	14.3	14.3	16.3
137.5°	14.3	12.2	10.2	12.2	14.3
140°	12.2	10.2	8.2	10.2	12.2
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)