

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: P384115

Luminaire Tested: **22ID-25-L835-CFD1**

Issue Date: 2/25/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P384115  
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: 22ID-25-L835-CFD1  
Description: 2X2 IN DEPTH TROFFER WITH 1INCH DROP CUBE LENS

Light Source: -  
Ballast/Driver: -

**Summary**

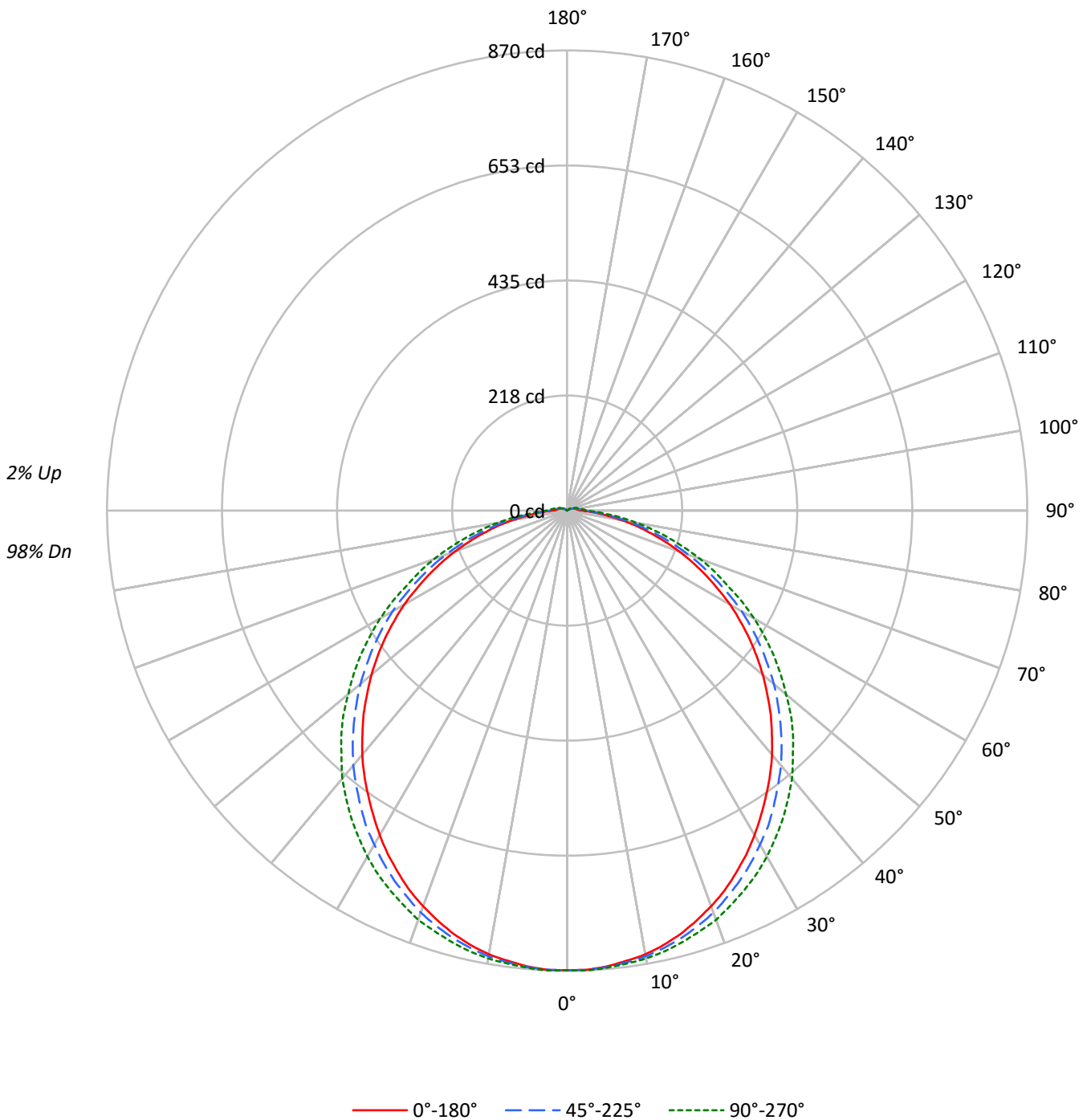
Lumens per Lamp: N/A  
Luminaire Lumens: 2573.7 lumens  
Efficiency: N/A  
Efficacy: 124.9 lumens/watt  
Spacing Criteria (0/90/45): 1.21 / 1.29 / 1.37  
Luminous Opening: Rectangular w/ Sides (W: 2' x L: 2' x H: 0.08')  
CIE Type: Direct

Input Watts (W): 20.6  
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	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°	2338	2338	2338
5°	2328	2328	2335
10°	2311	2315	2333
15°	2283	2294	2326
20°	2245	2268	2322
25°	2200	2232	2307
30°	2150	2192	2292
35°	2095	2149	2270
40°	2046	2105	2245
45°	1988	2049	2207
50°	1926	1996	2155
55°	1860	1931	2109
60°	1788	1861	2050
65°	1693	1755	1952
70°	1584	1652	1889
75°	1456	1513	1784
80°	1309	1349	1669
85°	1173	1203	1583



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	82.3	3.2
10°-20°	235.9	9.2
20°-30°	356.2	13.8
30°-40°	426.8	16.6
40°-50°	441.2	17.1
50°-60°	399.6	15.5
60°-70°	309.2	12.0
70°-80°	189.9	7.4
80°-90°	75.5	2.9
90°-100°	27.5	1.1
100°-110°	16.9	0.7
110°-120°	8.7	0.3
120°-130°	3.7	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°	674.4	26.2
0°-40°	1101.2	42.8
0°-60°	1942.0	75.5
0°-90°	2516.6	97.8
90°-120°	53.1	2.1
90°-150°	57.1	2.2
90°-180°	57.0	2.2
0°-180°	2573.7	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	869	869	869	869	869	
5°	865	865	866	866	868	82
15°	829	830	836	842	844	234
25°	756	761	772	786	792	348
35°	656	664	681	699	711	411
45°	544	551	570	594	604	419
55°	420	429	446	466	476	375
65°	290	296	310	326	334	287
75°	162	170	178	189	198	172
85°	56	60	65	72	76	56
90°	26	30	33	36	39	15
95°	20	22	25	27	30	16
105°	14	14	16	17	18	15
115°	9	8	8	9	10	9
125°	5	4	3	4	5	5
135°	0	0	0	0	0	0
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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CATALOG NUMBER: 22ID-25-L835-CFD1

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	869.0	869.0	869.0	869.0	869.0
2.5°	869.0	867.7	869.0	869.0	870.3
5°	865.1	865.1	866.4	866.4	867.7
7.5°	858.6	858.6	861.2	862.5	863.8
10°	852.0	852.0	856.0	857.3	859.9
12.5°	841.6	842.9	846.8	850.7	853.3
15°	828.6	829.9	836.4	841.6	844.2
17.5°	812.9	815.5	823.3	831.2	833.8
20°	795.9	799.8	809.0	818.1	823.3
22.5°	777.7	780.3	790.7	802.5	807.7
25°	755.5	760.7	772.4	785.5	792.0
27.5°	733.3	738.5	751.6	767.2	775.1
30°	708.5	713.7	729.4	746.3	755.5
32.5°	682.4	688.9	707.2	724.2	733.3
35°	656.3	664.1	681.1	699.4	711.1
37.5°	630.2	636.7	655.0	674.6	686.3
40°	602.8	609.3	628.9	648.5	661.5
42.5°	572.8	580.6	600.2	621.1	631.5
45°	544.1	550.6	570.2	593.7	604.1
47.5°	512.8	521.9	540.2	562.4	574.1
50°	482.8	490.6	510.2	531.1	540.2
52.5°	451.5	459.3	477.6	498.4	508.9
55°	420.1	429.3	446.2	465.8	476.3
57.5°	387.5	396.7	413.6	430.6	442.3
60°	356.2	365.3	381.0	398.0	408.4
62.5°	321.0	328.8	345.8	364.0	371.9
65°	289.7	296.2	310.5	326.2	334.0
67.5°	257.0	264.9	277.9	292.3	301.4
70°	224.4	233.6	244.0	257.0	267.5
72.5°	193.1	200.9	210.1	223.1	232.3
75°	161.8	169.6	177.5	189.2	198.3
77.5°	134.4	138.3	146.1	156.6	165.7
80°	104.4	109.6	116.1	126.6	133.1
82.5°	78.3	83.5	88.7	96.6	103.1
85°	56.1	60.0	65.2	71.8	75.7
87.5°	37.8	41.8	45.7	50.9	54.8
90°	26.1	30.0	32.6	36.5	39.1
92.5°	22.2	24.8	27.4	30.0	32.6
95°	19.6	22.2	24.8	27.4	30.0
97.5°	18.3	19.6	22.2	24.8	26.1
100°	17.0	18.3	19.6	22.2	23.5
102.5°	15.7	15.7	18.3	19.6	20.9
105°	14.4	14.4	15.7	17.0	18.3
107.5°	13.0	13.0	14.4	14.4	17.0
110°	11.7	10.4	11.7	11.7	14.4



TEST NUMBER: P384115

CATALOG NUMBER: 22ID-25-L835-CFD1

**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	10.4	9.1	10.4	10.4	11.7
115°	9.1	7.8	7.8	9.1	10.4
117.5°	7.8	6.5	6.5	6.5	9.1
120°	7.8	6.5	5.2	5.2	7.8
122.5°	6.5	5.2	3.9	5.2	6.5
125°	5.2	3.9	2.6	3.9	5.2
127.5°	3.9	3.9	1.3	2.6	3.9
130°	3.9	2.6	1.3	2.6	2.6
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)