

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: P384121

Luminaire Tested: **22ID-30-L850-CFD1**

Issue Date: 2/25/2020

Test Information

Test Method: LM-79-08
Report Number: P384121
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-30-L850-CFD1
Description: 2X2 IN DEPTH TROFFER WITH 1INCH DROP CUBE LENS

Light Source: -
Ballast/Driver: -

Summary

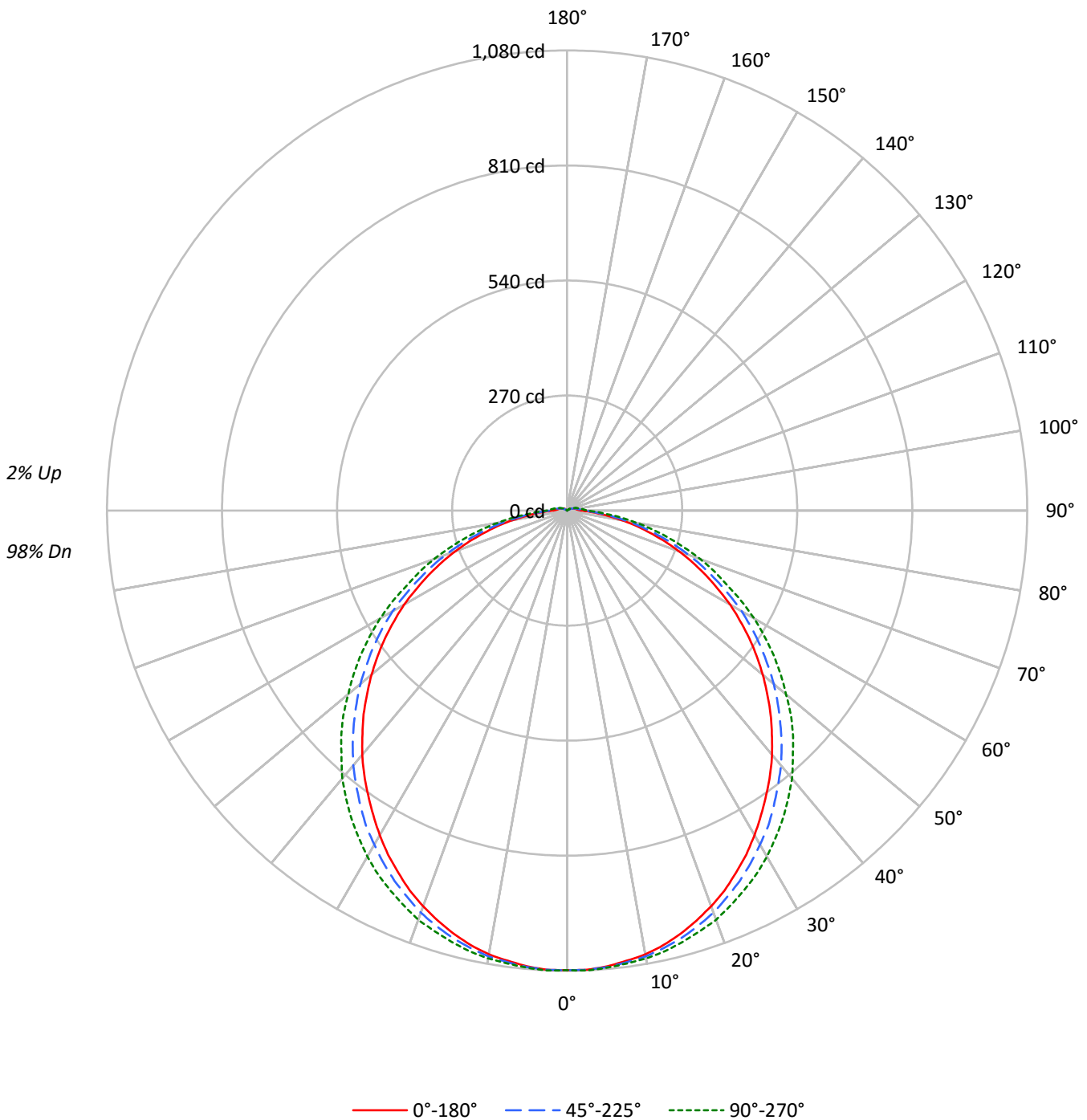
Lumens per Lamp: N/A
Luminaire Lumens: 3194.9 lumens
Efficiency: N/A
Efficacy: 131.5 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.29 / 1.37
Luminous Opening: Rectangular w/ Sides (W: 2' x L: 2' x H: 0.08')
CIE Type: Direct

Input Watts (W): 24.3
Input Voltage (V): NR
Input Current (A_{in}): 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°	2903	2903	2903
5°	2890	2890	2899
10°	2869	2873	2895
15°	2834	2847	2887
20°	2787	2815	2883
25°	2731	2771	2863
30°	2669	2721	2846
35°	2601	2668	2818
40°	2540	2613	2787
45°	2468	2544	2740
50°	2390	2477	2675
55°	2309	2397	2618
60°	2220	2310	2545
65°	2102	2179	2423
70°	1967	2051	2344
75°	1807	1878	2215
80°	1625	1675	2071
85°	1456	1495	1964



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	102.2	3.2
10°-20°	292.9	9.2
20°-30°	442.1	13.8
30°-40°	529.8	16.6
40°-50°	547.7	17.1
50°-60°	496.0	15.5
60°-70°	383.8	12.0
70°-80°	235.8	7.4
80°-90°	93.7	2.9
90°-100°	34.2	1.1
100°-110°	21.0	0.7
110°-120°	10.8	0.3
120°-130°	4.6	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°	837.2	26.2
0°-40°	1366.9	42.8
0°-60°	2410.7	75.5
0°-90°	3123.9	97.8
90°-120°	66.0	2.1
90°-150°	70.9	2.2
90°-180°	71.0	2.2
0°-180°	3194.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1079	1079	1079	1079	1079	
5°	1074	1074	1076	1076	1077	102
15°	1028	1030	1038	1045	1048	290
25°	938	944	959	975	983	432
35°	815	824	846	868	883	510
45°	675	684	708	737	750	521
55°	522	533	554	578	591	466
65°	360	368	386	405	415	356
75°	201	211	220	235	246	214
85°	70	74	81	89	94	69
90°	32	37	40	45	49	19
95°	24	28	31	34	37	19
105°	18	18	19	21	23	19
115°	11	10	10	11	13	11
125°	6	5	3	5	6	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°	1078.7	1078.7	1078.7	1078.7	1078.7
2.5°	1078.7	1077.1	1078.7	1078.7	1080.3
5°	1073.9	1073.9	1075.5	1075.5	1077.1
7.5°	1065.8	1065.8	1069.0	1070.6	1072.2
10°	1057.7	1057.7	1062.5	1064.1	1067.4
12.5°	1044.7	1046.3	1051.2	1056.0	1059.3
15°	1028.5	1030.1	1038.2	1044.7	1047.9
17.5°	1009.1	1012.3	1022.0	1031.7	1035.0
20°	988.0	992.9	1004.2	1015.5	1022.0
22.5°	965.3	968.6	981.5	996.1	1002.6
25°	937.8	944.3	958.9	975.1	983.1
27.5°	910.3	916.7	932.9	952.4	962.1
30°	879.5	886.0	905.4	926.5	937.8
32.5°	847.1	855.2	877.9	898.9	910.3
35°	814.7	824.4	845.5	868.2	882.7
37.5°	782.3	790.4	813.1	837.4	852.0
40°	748.3	756.4	780.7	805.0	821.2
42.5°	711.0	720.8	745.1	771.0	783.9
45°	675.4	683.5	707.8	737.0	749.9
47.5°	636.5	647.9	670.6	698.1	712.7
50°	599.3	609.0	633.3	659.2	670.6
52.5°	560.4	570.1	592.8	618.7	631.7
55°	521.5	532.9	553.9	578.2	591.2
57.5°	481.0	492.4	513.4	534.5	549.1
60°	442.2	453.5	472.9	494.0	507.0
62.5°	398.4	408.2	429.2	451.9	461.6
65°	359.6	367.7	385.5	404.9	414.6
67.5°	319.1	328.8	345.0	362.8	374.1
70°	278.6	289.9	302.9	319.1	332.0
72.5°	239.7	249.4	260.8	277.0	288.3
75°	200.8	210.6	220.3	234.9	246.2
77.5°	166.8	171.7	181.4	194.4	205.7
80°	129.6	136.1	144.2	157.1	165.2
82.5°	97.2	103.7	110.1	119.9	128.0
85°	69.6	74.5	81.0	89.1	93.9
87.5°	47.0	51.8	56.7	63.2	68.0
90°	32.4	37.3	40.5	45.4	48.6
92.5°	27.5	30.8	34.0	37.3	40.5
95°	24.3	27.5	30.8	34.0	37.3
97.5°	22.7	24.3	27.5	30.8	32.4
100°	21.1	22.7	24.3	27.5	29.2
102.5°	19.4	19.4	22.7	24.3	25.9
105°	17.8	17.8	19.4	21.1	22.7
107.5°	16.2	16.2	17.8	17.8	21.1
110°	14.6	13.0	14.6	14.6	17.8



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	13.0	11.3	13.0	13.0	14.6
115°	11.3	9.7	9.7	11.3	13.0
117.5°	9.7	8.1	8.1	8.1	11.3
120°	9.7	8.1	6.5	6.5	9.7
122.5°	8.1	6.5	4.9	6.5	8.1
125°	6.5	4.9	3.2	4.9	6.5
127.5°	4.9	4.9	1.6	3.2	4.9
130°	4.9	3.2	1.6	3.2	3.2
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)