

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: P384293

Luminaire Tested: **22ID-35-L850-CFD2**

Issue Date: 2/25/2020

Test Information

Test Method: LM-79-08
Report Number: P384293
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-35-L850-CFD2
Description: 2X2 IN DEPTH TROFFER WITH 2INCH DROP CUBE LENS

Light Source: -
Ballast/Driver: -

Summary

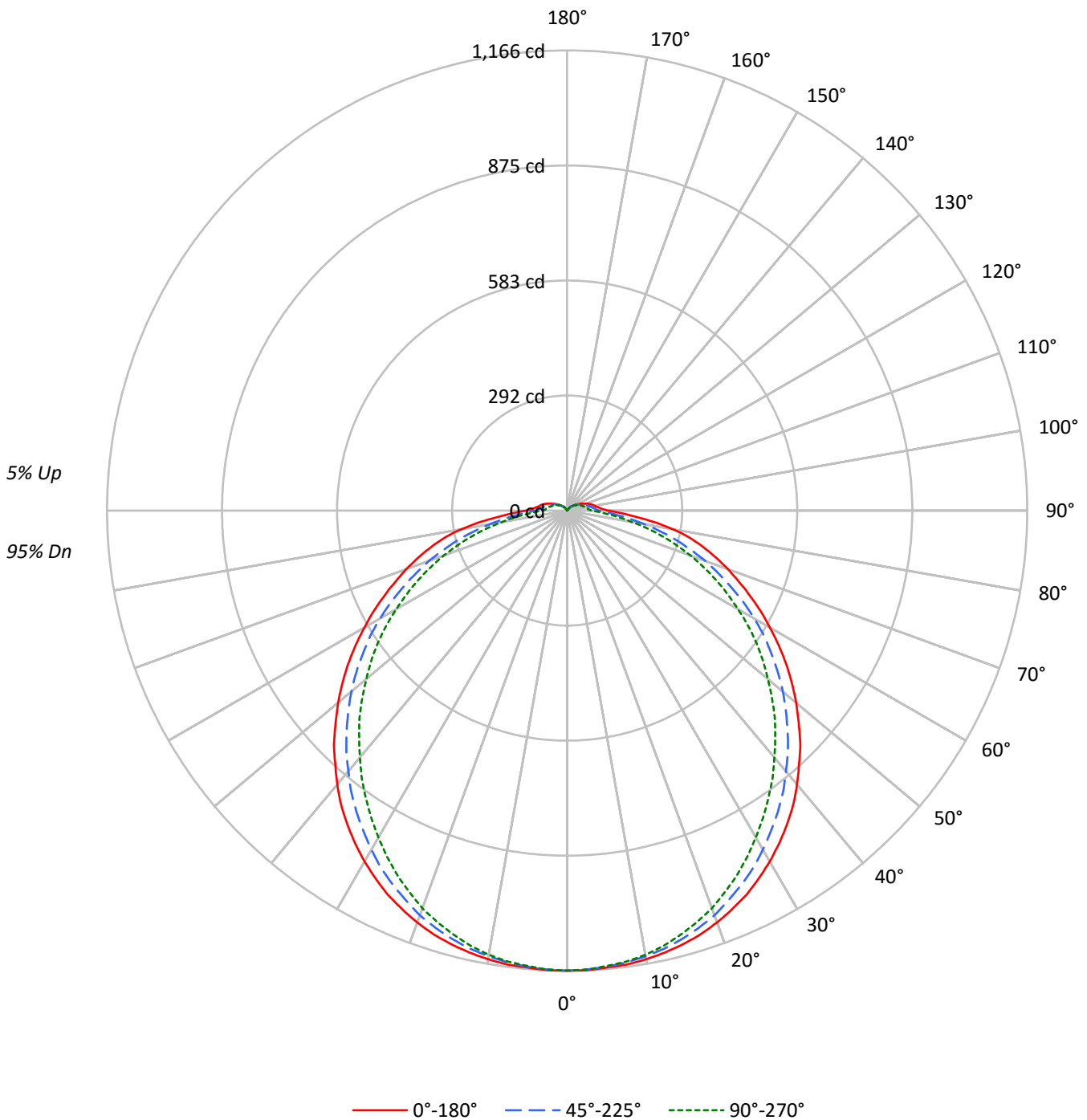
Lumens per Lamp: N/A
Luminaire Lumens: 3781.3 lumens
Efficiency: N/A
Efficacy: 133.1 lumens/watt
Spacing Criteria (0/90/45): 1.31 / 1.22 / 1.38
Luminous Opening: Rectangular w/ Sides (W: 2' x L: 2' x H: 0.17')
CIE Type: Direct

Input Watts (W): 28.4
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	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°	3137	3137	3137
5°	3116	3102	3106
10°	3109	3070	3078
15°	3099	3035	3031
20°	3086	2997	2980
25°	3070	2943	2912
30°	3043	2887	2834
35°	3015	2826	2760
40°	2976	2757	2681
45°	2936	2689	2614
50°	2885	2620	2529
55°	2840	2536	2456
60°	2791	2448	2351
65°	2763	2327	2247
70°	2773	2212	2125
75°	2830	2053	1968
80°	2872	1843	1767
85°	2715	1656	1629



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	110.3	2.9
10°-20°	317.3	8.4
20°-30°	481.9	12.7
30°-40°	582.1	15.4
40°-50°	609.3	16.1
50°-60°	565.3	15.0
60°-70°	457.9	12.1
70°-80°	309.0	8.2
80°-90°	149.3	3.9
90°-100°	75.1	2.0
100°-110°	54.6	1.4
110°-120°	36.5	1.0
120°-130°	21.1	0.6
130°-140°	10.7	0.3
140°-150°	0.8	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	909.5	24.1
0°-40°	1491.7	39.4
0°-60°	2666.3	70.5
0°-90°	3582.5	94.7
90°-120°	166.2	4.4
90°-150°	198.8	5.3
90°-180°	199.0	5.3
0°-180°	3781.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1166	1166	1166	1166	1166	
5°	1162	1160	1160	1158	1158	111
15°	1137	1132	1124	1116	1112	321
25°	1074	1065	1046	1027	1019	495
35°	971	958	931	902	889	608
45°	836	820	790	758	744	644
55°	677	662	632	601	586	605
65°	511	492	458	433	416	508
75°	357	321	284	263	248	376
85°	172	149	126	114	103	162
90°	103	94	80	72	61	59
95°	82	76	69	61	53	64
105°	61	57	52	46	42	65
115°	42	38	38	32	32	42
125°	27	23	25	21	23	23
135°	15	13	13	13	15	12
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°	1165.8	1165.8	1165.8	1165.8	1165.8
2.5°	1165.8	1163.9	1163.9	1163.9	1163.9
5°	1162.0	1160.1	1160.1	1158.2	1158.2
7.5°	1160.1	1156.3	1154.4	1152.5	1152.5
10°	1154.4	1150.6	1146.8	1142.9	1142.9
12.5°	1146.8	1142.9	1137.2	1129.6	1129.6
15°	1137.2	1131.5	1123.9	1116.2	1112.4
17.5°	1125.8	1120.1	1108.6	1097.2	1093.3
20°	1110.5	1102.9	1091.4	1076.2	1072.3
22.5°	1093.3	1085.7	1068.5	1053.3	1045.6
25°	1074.3	1064.7	1045.6	1026.6	1018.9
27.5°	1051.4	1041.8	1020.8	997.9	988.4
30°	1026.6	1015.1	992.2	967.4	956.0
32.5°	999.8	986.5	961.7	935.0	923.5
35°	971.2	957.9	931.2	902.5	889.2
37.5°	940.7	927.3	898.7	868.2	854.8
40°	906.3	893.0	862.5	831.9	816.7
42.5°	870.1	858.6	828.1	795.7	780.4
45°	835.7	820.5	790.0	757.5	744.2
47.5°	795.7	784.2	751.8	719.4	704.1
50°	757.5	744.2	713.6	681.2	664.0
52.5°	717.4	706.0	673.6	641.1	625.9
55°	677.4	662.1	631.6	601.0	585.8
57.5°	635.4	622.0	591.5	562.9	543.8
60°	593.4	580.1	547.6	520.9	499.9
62.5°	553.3	538.1	503.7	475.1	457.9
65°	511.4	492.3	457.9	433.1	416.0
67.5°	471.3	448.4	414.1	391.2	374.0
70°	433.1	406.4	372.1	349.2	332.0
72.5°	395.0	362.5	326.3	305.3	290.0
75°	356.8	320.6	284.3	263.3	248.1
77.5°	318.7	276.7	240.4	223.2	208.0
80°	272.9	232.8	198.4	183.2	167.9
82.5°	221.3	188.9	160.3	145.0	133.6
85°	171.7	148.8	125.9	114.5	103.0
87.5°	133.6	116.4	99.2	89.7	80.1
90°	103.0	93.5	80.1	72.5	61.1
92.5°	89.7	82.0	72.5	64.9	55.3
95°	82.0	76.3	68.7	61.1	53.4
97.5°	74.4	70.6	63.0	57.2	49.6
100°	70.6	64.9	59.2	53.4	47.7
102.5°	66.8	61.1	55.3	49.6	45.8
105°	61.1	57.2	51.5	45.8	42.0
107.5°	57.2	51.5	47.7	42.0	40.1
110°	51.5	47.7	43.9	40.1	38.2



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	45.8	43.9	40.1	36.3	34.3
115°	42.0	38.2	38.2	32.4	32.4
117.5°	38.2	34.3	34.3	30.5	30.5
120°	32.4	30.5	30.5	26.7	26.7
122.5°	28.6	26.7	26.7	24.8	24.8
125°	26.7	22.9	24.8	21.0	22.9
127.5°	22.9	21.0	21.0	19.1	21.0
130°	19.1	17.2	17.2	17.2	19.1
132.5°	17.2	15.3	15.3	15.3	17.2
135°	15.3	13.4	13.4	13.4	15.3
137.5°	13.4	11.4	9.5	11.4	13.4
140°	11.4	9.5	7.6	9.5	11.4
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)