

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: P384333

Luminaire Tested: **22ID-85-L850-CFD2**

Issue Date: 2/25/2020

Test Information

Test Method: LM-79-08
Report Number: P384333
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-85-L850-CFD2
Description: 2X2 IN DEPTH TROFFER WITH 2INCH DROP CUBE LENS

Light Source: -
Ballast/Driver: -

Summary

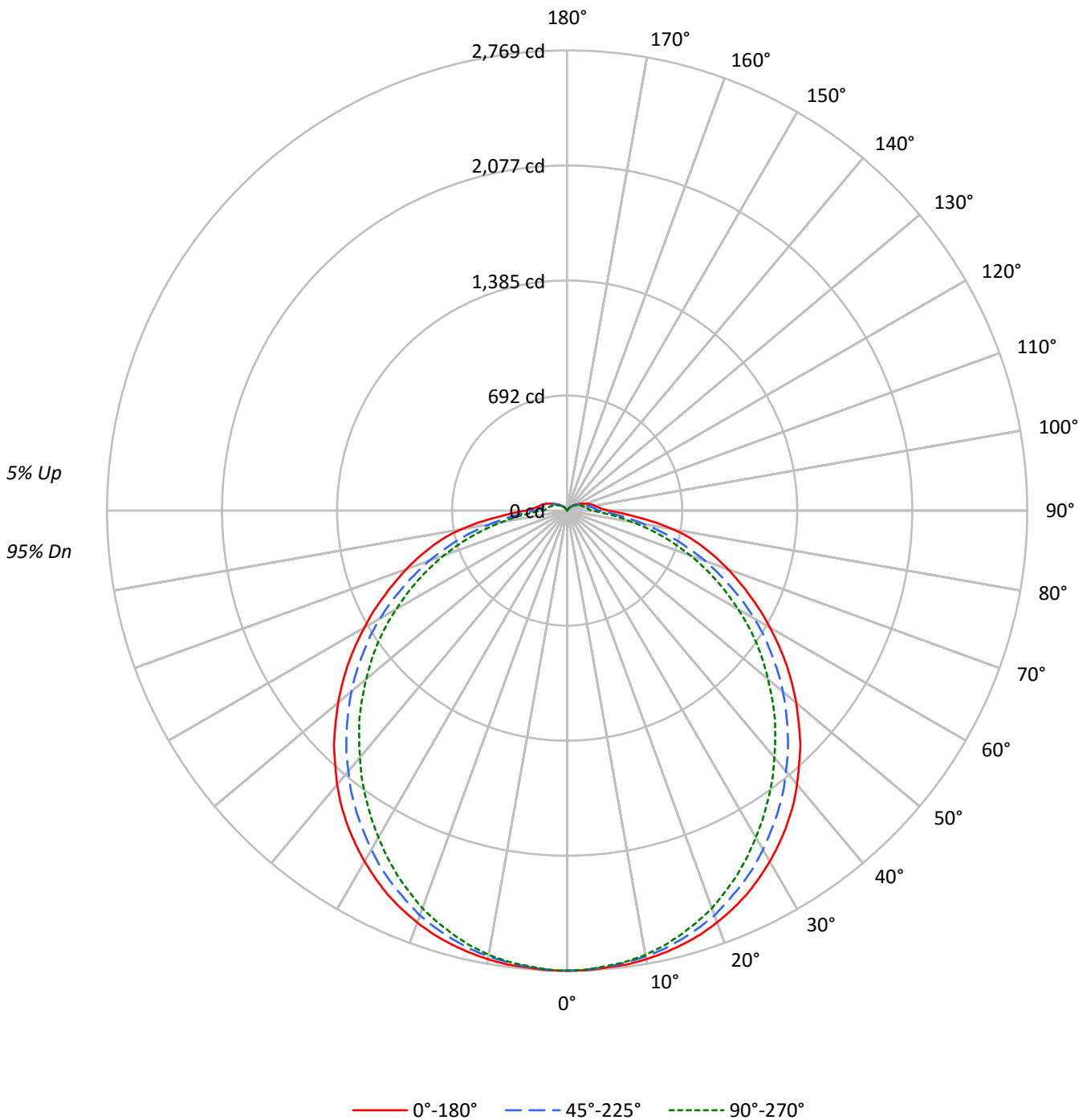
Lumens per Lamp: N/A
Luminaire Lumens: 8980.6 lumens
Efficiency: N/A
Efficacy: 115.0 lumens/watt
Spacing Criteria (0/90/45): 1.31 / 1.22 / 1.38
Luminous Opening: Rectangular w/ Sides (W: 2' x L: 2' x H: 0.17')
CIE Type: Direct

Input Watts (W): 78.1
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°	7451	7451	7451
5°	7401	7367	7377
10°	7383	7291	7310
15°	7360	7209	7200
20°	7331	7118	7079
25°	7292	6990	6916
30°	7228	6856	6731
35°	7160	6711	6555
40°	7067	6548	6368
45°	6973	6387	6209
50°	6851	6222	6006
55°	6745	6024	5833
60°	6629	5813	5584
65°	6561	5528	5337
70°	6586	5252	5048
75°	6720	4876	4672
80°	6819	4378	4197
85°	6450	3935	3869



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	262.1	2.9
10°-20°	753.6	8.4
20°-30°	1144.6	12.7
30°-40°	1382.5	15.4
40°-50°	1447.0	16.1
50°-60°	1342.7	15.0
60°-70°	1087.5	12.1
70°-80°	733.9	8.2
80°-90°	354.6	3.9
90°-100°	178.4	2.0
100°-110°	129.7	1.4
110°-120°	86.7	1.0
120°-130°	50.2	0.6
130°-140°	25.3	0.3
140°-150°	1.9	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	2160.2	24.1
0°-40°	3542.7	39.4
0°-60°	6332.3	70.5
0°-90°	8508.4	94.7
90°-120°	394.7	4.4
90°-150°	472.2	5.3
90°-180°	472.0	5.3
0°-180°	8980.6	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2769	2769	2769	2769	2769	
5°	2760	2755	2755	2751	2751	263
15°	2701	2687	2669	2651	2642	763
25°	2551	2529	2483	2438	2420	1176
35°	2307	2275	2212	2144	2112	1443
45°	1985	1949	1876	1799	1767	1529
55°	1609	1572	1500	1428	1391	1438
65°	1214	1169	1088	1029	988	1205
75°	847	761	675	625	589	893
85°	408	354	299	272	245	385
90°	245	222	190	172	145	140
95°	195	181	163	145	127	153
105°	145	136	122	109	100	155
115°	100	91	91	77	77	99
125°	63	54	59	50	54	56
135°	36	32	32	32	36	28
145°	0	0	0	0	0	2
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°	2768.9	2768.9	2768.9	2768.9	2768.9
2.5°	2768.9	2764.4	2764.4	2764.4	2764.4
5°	2759.8	2755.3	2755.3	2750.8	2750.8
7.5°	2755.3	2746.2	2741.7	2737.2	2737.2
10°	2741.7	2732.6	2723.6	2714.5	2714.5
12.5°	2723.6	2714.5	2700.9	2682.8	2682.8
15°	2700.9	2687.3	2669.2	2651.1	2642.0
17.5°	2673.7	2660.1	2632.9	2605.7	2596.7
20°	2637.5	2619.3	2592.2	2555.9	2546.8
22.5°	2596.7	2578.6	2537.8	2501.5	2483.4
25°	2551.4	2528.7	2483.4	2438.1	2419.9
27.5°	2497.0	2474.3	2424.5	2370.1	2347.4
30°	2438.1	2410.9	2356.5	2297.6	2270.4
32.5°	2374.6	2342.9	2284.0	2220.5	2193.4
35°	2306.7	2274.9	2211.5	2143.5	2111.8
37.5°	2234.1	2202.4	2134.4	2061.9	2030.2
40°	2152.6	2120.9	2048.3	1975.8	1939.6
42.5°	2066.5	2039.3	1966.8	1889.7	1853.5
45°	1984.9	1948.6	1876.1	1799.1	1767.4
47.5°	1889.7	1862.5	1785.5	1708.5	1672.2
50°	1799.1	1767.4	1694.9	1617.8	1577.0
52.5°	1703.9	1676.7	1599.7	1522.7	1486.4
55°	1608.8	1572.5	1500.0	1427.5	1391.2
57.5°	1509.1	1477.3	1404.8	1336.9	1291.5
60°	1409.4	1377.6	1300.6	1237.2	1187.3
62.5°	1314.2	1277.9	1196.4	1128.4	1087.6
65°	1214.5	1169.2	1087.6	1028.7	987.9
67.5°	1119.3	1065.0	983.4	929.0	888.2
70°	1028.7	965.3	883.7	829.3	788.5
72.5°	938.1	861.0	774.9	725.1	688.8
75°	847.4	761.3	675.2	625.4	589.1
77.5°	756.8	657.1	571.0	530.2	494.0
80°	648.0	552.9	471.3	435.0	398.8
82.5°	525.7	448.6	380.7	344.4	317.2
85°	407.9	353.5	299.1	271.9	244.7
87.5°	317.2	276.4	235.7	213.0	190.3
90°	244.7	222.1	190.3	172.2	145.0
92.5°	213.0	194.9	172.2	154.1	131.4
95°	194.9	181.3	163.1	145.0	126.9
97.5°	176.7	167.7	149.5	136.0	117.8
100°	167.7	154.1	140.5	126.9	113.3
102.5°	158.6	145.0	131.4	117.8	108.8
105°	145.0	136.0	122.4	108.8	99.7
107.5°	136.0	122.4	113.3	99.7	95.2
110°	122.4	113.3	104.2	95.2	90.6



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	108.8	104.2	95.2	86.1	81.6
115°	99.7	90.6	90.6	77.0	77.0
117.5°	90.6	81.6	81.6	72.5	72.5
120°	77.0	72.5	72.5	63.4	63.4
122.5°	68.0	63.4	63.4	58.9	58.9
125°	63.4	54.4	58.9	49.8	54.4
127.5°	54.4	49.8	49.8	45.3	49.8
130°	45.3	40.8	40.8	40.8	45.3
132.5°	40.8	36.3	36.3	36.3	40.8
135°	36.3	31.7	31.7	31.7	36.3
137.5°	31.7	27.2	22.7	27.2	31.7
140°	27.2	22.7	18.1	22.7	27.2
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)