

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: P384261

Luminaire Tested: **14ID-65-L850-CFD2**

Issue Date: 2/25/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P384261  
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: 14ID-65-L850-CFD2  
Description: 1X4 IN DEPTH TROFFER WITH 2INCH DROP CUBE LENS

Light Source: -  
Ballast/Driver: -

**Summary**

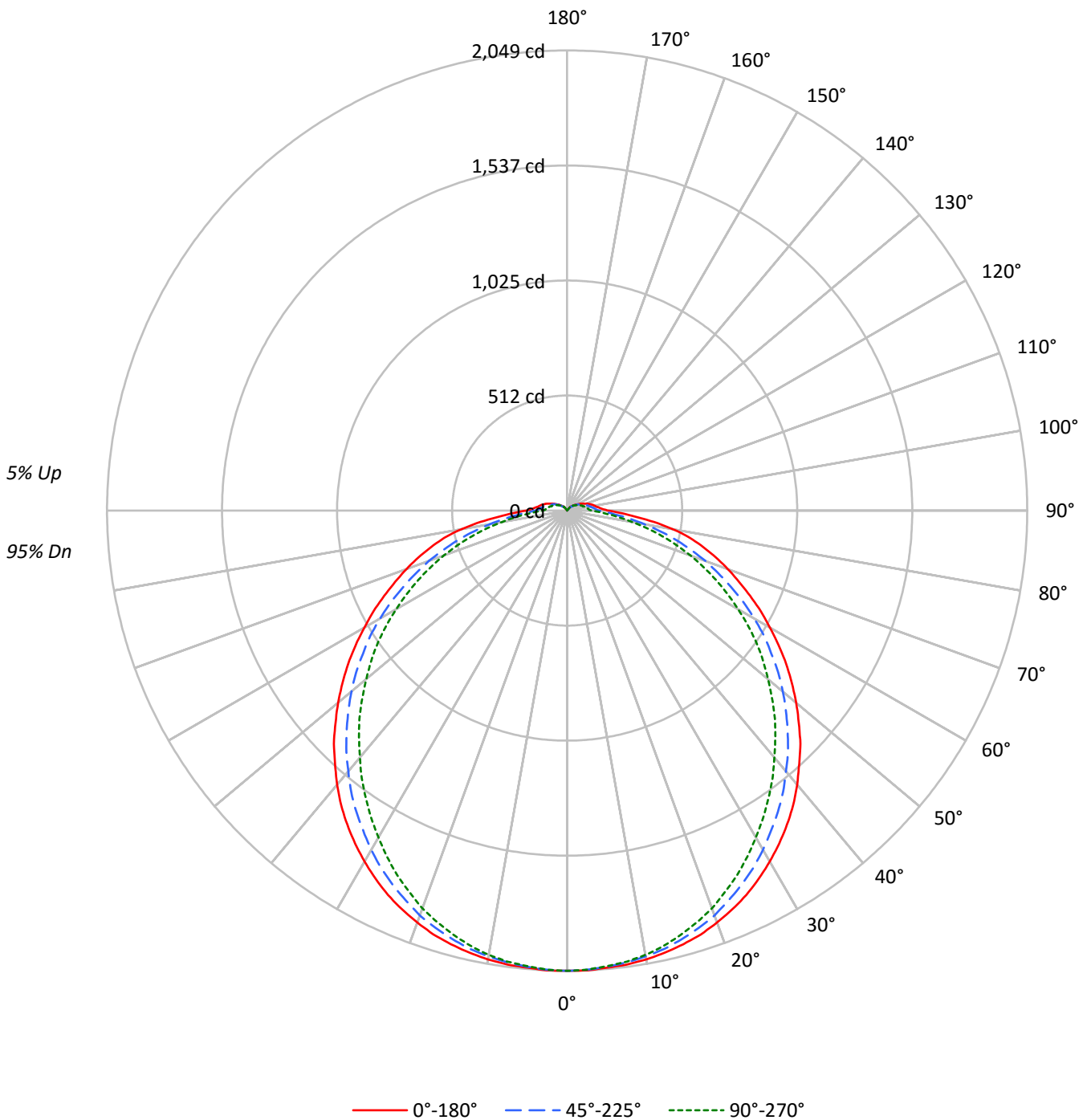
Lumens per Lamp: N/A  
Luminaire Lumens: 6646.7 lumens  
Efficiency: N/A  
Efficacy: 113.8 lumens/watt  
Spacing Criteria (0/90/45): 1.31 / 1.22 / 1.38  
Luminous Opening: Rectangular w/ Sides (W: 1' x L: 4' x H: 0.17')  
CIE Type: Direct

Input Watts (W): 58.4  
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	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°	5515	5515	5515
5°	5498	5438	5420
10°	5504	5369	5333
15°	5508	5295	5215
20°	5506	5214	5089
25°	5500	5107	4934
30°	5475	4995	4763
35°	5449	4874	4598
40°	5408	4740	4424
45°	5367	4606	4267
50°	5311	4467	4077
55°	5273	4303	3902
60°	5236	4127	3670
65°	5254	3895	3430
70°	5375	3663	3149
75°	5643	3352	2795
80°	6012	2945	2352
85°	6314	2547	1925



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	193.9	2.9
10°-20°	557.7	8.4
20°-30°	847.1	12.7
30°-40°	1023.2	15.4
40°-50°	1071.0	16.1
50°-60°	993.7	15.0
60°-70°	804.9	12.1
70°-80°	543.2	8.2
80°-90°	262.4	3.9
90°-100°	132.0	2.0
100°-110°	96.0	1.4
110°-120°	64.1	1.0
120°-130°	37.2	0.6
130°-140°	18.7	0.3
140°-150°	1.4	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	1598.8	24.1
0°-40°	2622.0	39.4
0°-60°	4686.7	70.5
0°-90°	6297.2	94.7
90°-120°	292.1	4.4
90°-150°	349.5	5.3
90°-180°	349.0	5.3
0°-180°	6646.7	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	2049	2049	2049	2049	2049	
5°	2043	2039	2039	2036	2036	195
15°	1999	1989	1976	1962	1955	565
25°	1888	1872	1838	1804	1791	870
35°	1707	1684	1637	1586	1563	1068
45°	1469	1442	1389	1332	1308	1132
55°	1191	1164	1110	1056	1030	1064
65°	899	865	805	761	731	892
75°	627	564	500	463	436	661
85°	302	262	221	201	181	285
90°	181	164	141	128	107	103
95°	144	134	121	107	94	113
105°	107	101	91	80	74	115
115°	74	67	67	57	57	73
125°	47	40	44	37	40	41
135°	27	24	24	24	27	21
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°	2049.3	2049.3	2049.3	2049.3	2049.3
2.5°	2049.3	2045.9	2045.9	2045.9	2045.9
5°	2042.6	2039.2	2039.2	2035.9	2035.9
7.5°	2039.2	2032.5	2029.2	2025.8	2025.8
10°	2029.2	2022.5	2015.8	2009.1	2009.1
12.5°	2015.8	2009.1	1999.0	1985.6	1985.6
15°	1999.0	1988.9	1975.5	1962.1	1955.4
17.5°	1978.9	1968.8	1948.7	1928.6	1921.9
20°	1952.0	1938.6	1918.5	1891.7	1885.0
22.5°	1921.9	1908.4	1878.2	1851.4	1838.0
25°	1888.3	1871.5	1838.0	1804.5	1791.0
27.5°	1848.1	1831.3	1794.4	1754.1	1737.4
30°	1804.5	1784.3	1744.1	1700.5	1680.4
32.5°	1757.5	1734.0	1690.4	1643.5	1623.3
35°	1707.2	1683.7	1636.8	1586.4	1563.0
37.5°	1653.5	1630.1	1579.7	1526.1	1502.6
40°	1593.2	1569.7	1516.0	1462.4	1435.5
42.5°	1529.4	1509.3	1455.6	1398.6	1371.8
45°	1469.1	1442.2	1388.6	1331.5	1308.1
47.5°	1398.6	1378.5	1321.5	1264.5	1237.6
50°	1331.5	1308.1	1254.4	1197.4	1167.2
52.5°	1261.1	1241.0	1184.0	1126.9	1100.1
55°	1190.7	1163.8	1110.2	1056.5	1029.7
57.5°	1116.9	1093.4	1039.7	989.4	955.9
60°	1043.1	1019.6	962.6	915.6	878.8
62.5°	972.7	945.8	885.5	835.1	805.0
65°	898.9	865.3	805.0	761.4	731.2
67.5°	828.4	788.2	727.8	687.6	657.4
70°	761.4	714.4	654.0	613.8	583.6
72.5°	694.3	637.3	573.5	536.6	509.8
75°	627.2	563.5	499.7	462.9	436.0
77.5°	560.1	486.3	422.6	392.4	365.6
80°	479.6	409.2	348.8	322.0	295.2
82.5°	389.1	332.0	281.7	254.9	234.8
85°	301.9	261.6	221.4	201.2	181.1
87.5°	234.8	204.6	174.4	157.6	140.9
90°	181.1	164.3	140.9	127.5	107.3
92.5°	157.6	144.2	127.5	114.0	97.3
95°	144.2	134.2	120.7	107.3	93.9
97.5°	130.8	124.1	110.7	100.6	87.2
100°	124.1	114.0	104.0	93.9	83.9
102.5°	117.4	107.3	97.3	87.2	80.5
105°	107.3	100.6	90.6	80.5	73.8
107.5°	100.6	90.6	83.9	73.8	70.4
110°	90.6	83.9	77.1	70.4	67.1



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	80.5	77.1	70.4	63.7	60.4
115°	73.8	67.1	67.1	57.0	57.0
117.5°	67.1	60.4	60.4	53.7	53.7
120°	57.0	53.7	53.7	47.0	47.0
122.5°	50.3	47.0	47.0	43.6	43.6
125°	47.0	40.2	43.6	36.9	40.2
127.5°	40.2	36.9	36.9	33.5	36.9
130°	33.5	30.2	30.2	30.2	33.5
132.5°	30.2	26.8	26.8	26.8	30.2
135°	26.8	23.5	23.5	23.5	26.8
137.5°	23.5	20.1	16.8	20.1	23.5
140°	20.1	16.8	13.4	16.8	20.1
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)