

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: P384593

Luminaire Tested: **14ID-60-L850-CFD3**

Issue Date: 2/25/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P384593  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1911-572-69)  
Test Lab: INNOVATION CENTER (G2)  
Issue Date: 2/25/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: 14ID-60-L850-CFD3  
Description: 1X4 IN DEPTH TROFFER WITH 3INCH DROP CUBE LENS

Light Source: -  
Ballast/Driver: -

**Summary**

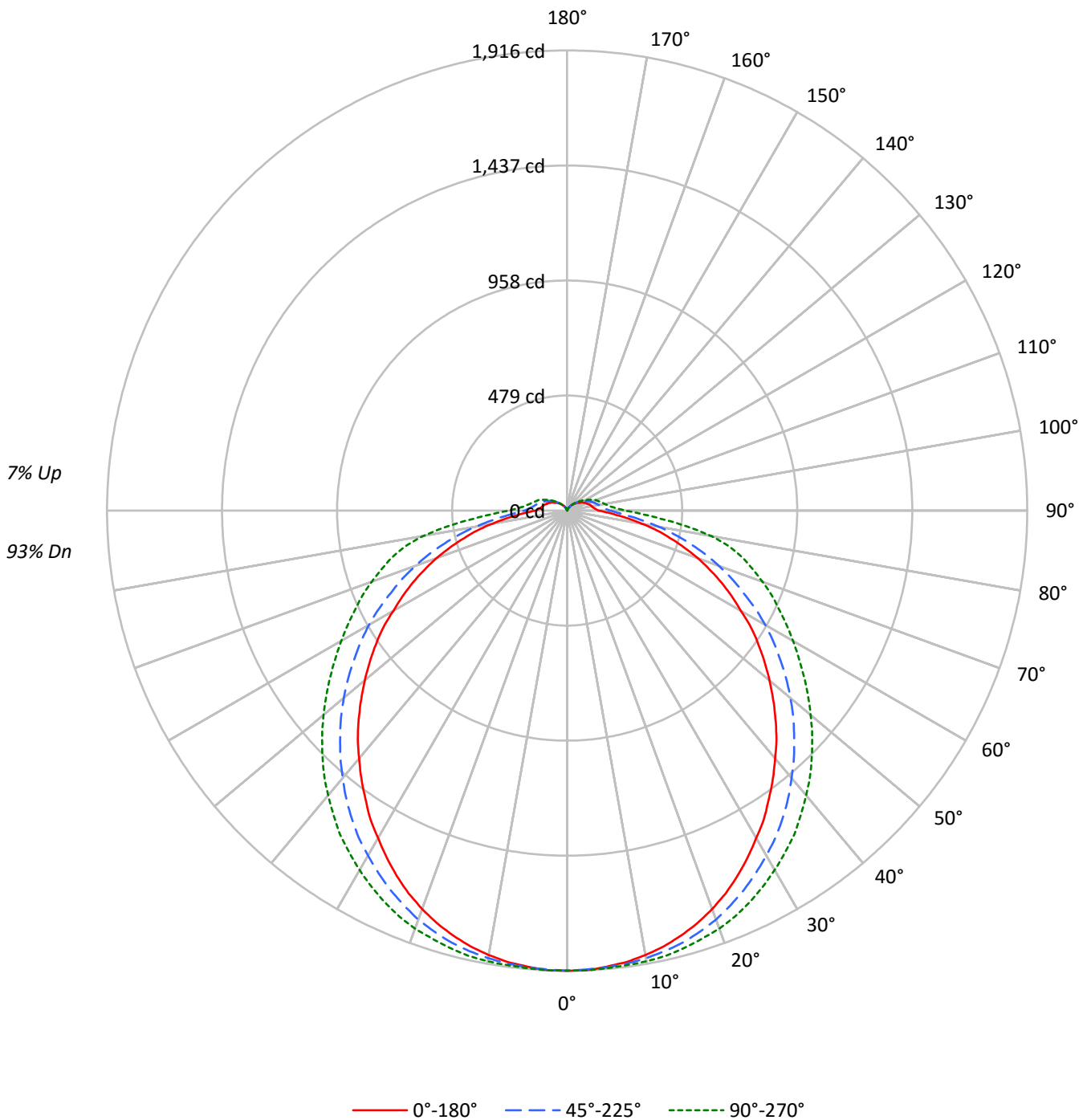
Lumens per Lamp: N/A  
Luminaire Lumens: 6703.4 lumens  
Efficiency: N/A  
Efficacy: 125.8 lumens/watt  
Spacing Criteria (0/90/45): 1.23 / 1.34 / 1.41  
Luminous Opening: Rectangular w/ Sides (W: 1' x L: 4' x H: 0.25')  
CIE Type: Direct

Input Watts (W): 53.3  
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	117	117	117	117	114	114	114	114	107	107	107	101	101	101	95	95	95	93
1	105	100	95	91	102	97	93	89	91	88	84	86	83	80	81	79	77	74
2	95	86	79	73	92	84	77	71	79	73	68	74	70	66	70	67	63	60
3	86	75	66	60	83	73	65	59	69	62	57	65	59	55	62	57	53	50
4	79	66	57	50	76	64	56	49	61	54	48	58	51	46	55	49	45	42
5	72	59	50	43	70	57	49	42	54	47	41	52	45	40	49	43	39	36
6	67	53	44	37	64	52	43	37	49	41	36	47	40	35	44	39	34	32
7	62	48	39	33	60	47	38	32	44	37	31	42	36	31	40	35	30	28
8	57	44	35	29	55	43	34	29	41	33	28	39	32	27	37	31	27	25
9	54	40	32	26	52	39	31	26	37	30	25	36	29	25	34	28	24	22
10	50	37	29	23	49	36	28	23	35	28	23	33	27	22	32	26	22	20

**AVERAGE LUMINANCE (cd/sqm):**

	0°	45°	90°
0°	5155	5155	5155
5°	5120	5059	5055
10°	5078	4977	4987
15°	5020	4898	4923
20°	4943	4803	4861
25°	4842	4689	4783
30°	4722	4570	4693
35°	4609	4451	4608
40°	4497	4309	4495
45°	4394	4168	4387
50°	4285	4021	4270
55°	4190	3863	4161
60°	4059	3709	4081
65°	3979	3495	4032
70°	3884	3290	4039
75°	3748	3010	4064
80°	3634	2667	3899
85°	3672	2254	3130



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	181.6	2.7
10°-20°	524.9	7.8
20°-30°	801.9	12.0
30°-40°	976.2	14.6
40°-50°	1031.8	15.4
50°-60°	973.9	14.5
60°-70°	819.4	12.2
70°-80°	590.7	8.8
80°-90°	311.5	4.6
90°-100°	166.8	2.5
100°-110°	126.6	1.9
110°-120°	91.9	1.4
120°-130°	57.7	0.9
130°-140°	31.2	0.5
140°-150°	13.6	0.2
150°-160°	3.6	0.1
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-30°	1508.4	22.5
0°-40°	2484.6	37.1
0°-60°	4490.3	67.0
0°-90°	6211.9	92.7
90°-120°	385.3	5.7
90°-150°	487.7	7.3
90°-180°	491.0	7.3
0°-180°	6703.4	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1916	1916	1916	1916	1916	
5°	1906	1906	1909	1909	1912	181
15°	1832	1839	1862	1876	1886	517
25°	1678	1698	1742	1782	1799	773
35°	1464	1498	1565	1625	1648	917
45°	1227	1264	1337	1411	1441	947
55°	973	1016	1083	1163	1204	869
65°	709	749	809	909	973	701
75°	445	481	528	632	756	472
85°	204	231	257	321	391	191
90°	130	154	177	211	241	75
95°	114	130	150	170	184	91
105°	97	107	120	134	140	101
115°	77	84	94	100	107	77
125°	57	57	67	67	70	51
135°	40	37	40	40	44	30
145°	23	20	20	20	23	15
155°	10	10	3	7	10	5
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°	1915.6	1915.6	1915.6	1915.6	1915.6
2.5°	1915.6	1912.3	1912.3	1912.3	1915.6
5°	1905.6	1905.6	1908.9	1908.9	1912.3
7.5°	1895.5	1895.5	1902.2	1905.6	1908.9
10°	1878.8	1882.2	1892.2	1898.9	1905.6
12.5°	1858.8	1862.1	1878.8	1892.2	1898.9
15°	1832.0	1838.7	1862.1	1875.5	1885.5
17.5°	1801.9	1812.0	1838.7	1858.8	1868.8
20°	1765.2	1778.5	1812.0	1838.7	1852.1
22.5°	1725.0	1738.4	1778.5	1812.0	1828.7
25°	1678.2	1698.3	1741.8	1781.9	1798.6
27.5°	1628.1	1651.5	1701.6	1748.4	1765.2
30°	1574.6	1601.3	1658.2	1708.3	1728.4
32.5°	1524.5	1551.2	1614.7	1668.2	1688.3
35°	1464.3	1497.7	1564.6	1624.7	1648.1
37.5°	1407.4	1440.9	1511.1	1574.6	1598.0
40°	1347.3	1380.7	1454.2	1524.5	1547.9
42.5°	1290.4	1323.9	1397.4	1471.0	1497.7
45°	1226.9	1263.7	1337.2	1410.8	1440.9
47.5°	1163.4	1200.2	1277.1	1354.0	1384.0
50°	1099.9	1140.0	1213.5	1290.4	1323.9
52.5°	1036.4	1076.5	1150.0	1230.3	1263.7
55°	972.8	1016.3	1083.2	1163.4	1203.5
57.5°	909.3	952.8	1019.6	1103.2	1143.3
60°	835.8	885.9	952.8	1039.7	1086.5
62.5°	772.3	815.7	882.6	972.8	1029.7
65°	708.7	748.9	809.0	909.3	972.8
67.5°	641.9	685.3	742.2	835.8	922.7
70°	578.4	615.1	672.0	768.9	865.9
72.5°	511.5	548.3	601.8	702.1	809.0
75°	444.6	481.4	528.2	631.8	755.5
77.5°	384.5	414.5	458.0	558.3	692.0
80°	317.6	347.7	387.8	478.1	608.4
82.5°	257.4	284.2	317.6	397.8	501.5
85°	203.9	230.7	257.4	320.9	391.1
87.5°	163.8	183.9	210.6	257.4	304.2
90°	130.4	153.8	177.2	210.6	240.7
92.5°	120.4	140.4	160.5	187.2	207.3
95°	113.7	130.4	150.4	170.5	183.9
97.5°	107.0	123.7	140.4	160.5	170.5
100°	103.6	117.0	133.7	150.4	157.1
102.5°	100.3	110.3	127.0	140.4	150.4
105°	96.9	107.0	120.4	133.7	140.4
107.5°	90.3	100.3	113.7	127.0	133.7
110°	86.9	93.6	107.0	117.0	127.0



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	83.6	90.3	100.3	110.3	117.0
115°	76.9	83.6	93.6	100.3	107.0
117.5°	73.5	76.9	86.9	90.3	96.9
120°	66.9	70.2	80.2	83.6	86.9
122.5°	60.2	63.5	73.5	73.5	80.2
125°	56.8	56.8	66.9	66.9	70.2
127.5°	53.5	53.5	60.2	60.2	63.5
130°	46.8	46.8	53.5	53.5	53.5
132.5°	43.5	40.1	46.8	46.8	50.1
135°	40.1	36.8	40.1	40.1	43.5
137.5°	33.4	33.4	36.8	33.4	36.8
140°	30.1	26.7	30.1	30.1	33.4
142.5°	26.7	23.4	26.7	23.4	26.7
145°	23.4	20.1	20.1	20.1	23.4
147.5°	20.1	16.7	16.7	16.7	20.1
150°	16.7	13.4	13.4	13.4	16.7
152.5°	13.4	10.0	6.7	10.0	13.4
155°	10.0	10.0	3.3	6.7	10.0
157.5°	6.7	6.7	0.0	3.3	6.7
160°	3.3	3.3	0.0	3.3	3.3
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)