

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: P384256

Luminaire Tested: **14ID-60-L840-CFD2**

Issue Date: 2/25/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P384256  
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-60-L840-CFD2  
Description: 1X4 IN DEPTH TROFFER WITH 2INCH DROP CUBE LENS

Light Source: -  
Ballast/Driver: -

**Summary**

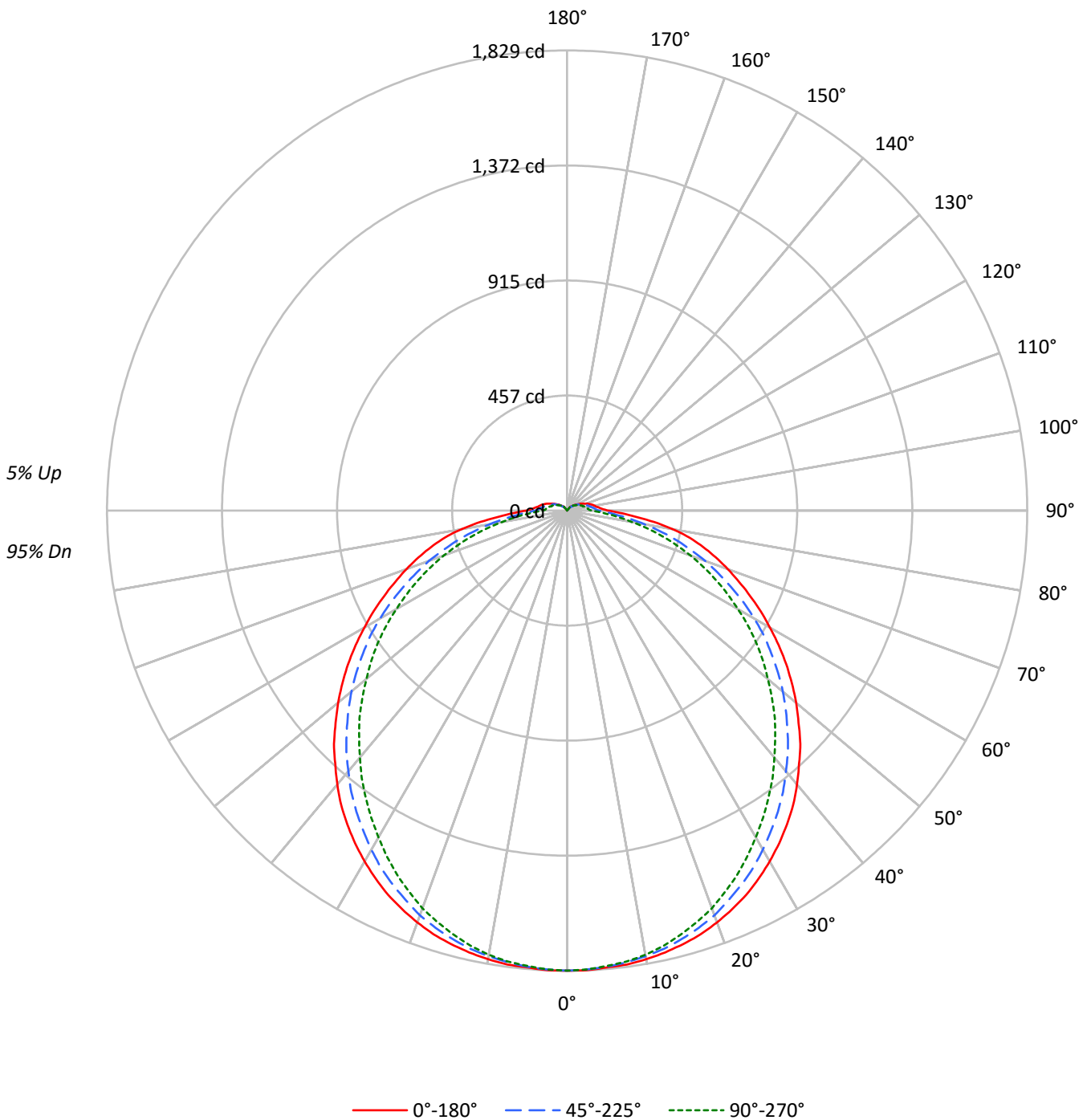
Lumens per Lamp: N/A  
Luminaire Lumens: 5931.0 lumens  
Efficiency: N/A  
Efficacy: 111.3 lumens/watt  
Spacing Criteria (0/90/45): 1.31 / 1.22 / 1.38  
Luminous Opening: Rectangular w/ Sides (W: 1' x L: 4' x H: 0.17')  
CIE Type: Direct

Input Watts (W): 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	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°	4921	4921	4921
5°	4906	4853	4837
10°	4912	4790	4759
15°	4914	4725	4653
20°	4913	4653	4541
25°	4908	4557	4403
30°	4886	4457	4250
35°	4863	4349	4103
40°	4825	4229	3948
45°	4789	4110	3807
50°	4739	3986	3638
55°	4705	3840	3482
60°	4672	3683	3275
65°	4688	3476	3060
70°	4796	3269	2811
75°	5036	2991	2494
80°	5365	2628	2098
85°	5634	2272	1718



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	173.1	2.9
10°-20°	497.7	8.4
20°-30°	755.9	12.7
30°-40°	913.0	15.4
40°-50°	955.6	16.1
50°-60°	886.7	15.0
60°-70°	718.2	12.1
70°-80°	484.7	8.2
80°-90°	234.2	3.9
90°-100°	117.8	2.0
100°-110°	85.6	1.4
110°-120°	57.3	1.0
120°-130°	33.2	0.6
130°-140°	16.7	0.3
140°-150°	1.3	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	1426.6	24.1
0°-40°	2339.7	39.4
0°-60°	4182.1	70.5
0°-90°	5619.2	94.7
90°-120°	260.7	4.4
90°-150°	311.9	5.3
90°-180°	312.0	5.3
0°-180°	5931.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1829	1829	1829	1829	1829	
5°	1823	1820	1820	1817	1817	174
15°	1784	1775	1763	1751	1745	504
25°	1685	1670	1640	1610	1598	776
35°	1523	1502	1460	1416	1395	953
45°	1311	1287	1239	1188	1167	1010
55°	1062	1038	991	943	919	950
65°	802	772	718	679	652	796
75°	560	503	446	413	389	590
85°	269	233	198	180	162	255
90°	162	147	126	114	96	92
95°	129	120	108	96	84	101
105°	96	90	81	72	66	102
115°	66	60	60	51	51	66
125°	42	36	39	33	36	37
135°	24	21	21	21	24	19
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°	1828.6	1828.6	1828.6	1828.6	1828.6
2.5°	1828.6	1825.6	1825.6	1825.6	1825.6
5°	1822.7	1819.7	1819.7	1816.7	1816.7
7.5°	1819.7	1813.7	1810.7	1807.7	1807.7
10°	1810.7	1804.7	1798.7	1792.7	1792.7
12.5°	1798.7	1792.7	1783.7	1771.8	1771.8
15°	1783.7	1774.8	1762.8	1750.8	1744.8
17.5°	1765.8	1756.8	1738.9	1720.9	1714.9
20°	1741.8	1729.9	1711.9	1688.0	1682.0
22.5°	1714.9	1702.9	1676.0	1652.1	1640.1
25°	1685.0	1670.0	1640.1	1610.2	1598.2
27.5°	1649.1	1634.1	1601.2	1565.3	1550.3
30°	1610.2	1592.2	1556.3	1517.4	1499.4
32.5°	1568.3	1547.3	1508.4	1466.5	1448.5
35°	1523.4	1502.4	1460.5	1415.6	1394.7
37.5°	1475.5	1454.5	1409.6	1361.8	1340.8
40°	1421.6	1400.7	1352.8	1304.9	1280.9
42.5°	1364.7	1346.8	1298.9	1248.0	1224.1
45°	1310.9	1286.9	1239.0	1188.2	1167.2
47.5°	1248.0	1230.1	1179.2	1128.3	1104.4
50°	1188.2	1167.2	1119.3	1068.5	1041.5
52.5°	1125.3	1107.4	1056.5	1005.6	981.7
55°	1062.5	1038.5	990.6	942.8	918.8
57.5°	996.6	975.7	927.8	882.9	853.0
60°	930.8	909.8	859.0	817.1	784.1
62.5°	867.9	844.0	790.1	745.2	718.3
65°	802.1	772.2	718.3	679.4	652.4
67.5°	739.2	703.3	649.5	613.5	586.6
70°	679.4	637.5	583.6	547.7	520.8
72.5°	619.5	568.6	511.8	478.9	454.9
75°	559.7	502.8	445.9	413.0	389.1
77.5°	499.8	434.0	377.1	350.2	326.2
80°	428.0	365.1	311.3	287.3	263.4
82.5°	347.2	296.3	251.4	227.5	209.5
85°	269.4	233.4	197.5	179.6	161.6
87.5°	209.5	182.6	155.6	140.7	125.7
90°	161.6	146.7	125.7	113.7	95.8
92.5°	140.7	128.7	113.7	101.8	86.8
95°	128.7	119.7	107.7	95.8	83.8
97.5°	116.7	110.7	98.8	89.8	77.8
100°	110.7	101.8	92.8	83.8	74.8
102.5°	104.8	95.8	86.8	77.8	71.8
105°	95.8	89.8	80.8	71.8	65.8
107.5°	89.8	80.8	74.8	65.8	62.9
110°	80.8	74.8	68.8	62.9	59.9



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	71.8	68.8	62.9	56.9	53.9
115°	65.8	59.9	59.9	50.9	50.9
117.5°	59.9	53.9	53.9	47.9	47.9
120°	50.9	47.9	47.9	41.9	41.9
122.5°	44.9	41.9	41.9	38.9	38.9
125°	41.9	35.9	38.9	32.9	35.9
127.5°	35.9	32.9	32.9	29.9	32.9
130°	29.9	26.9	26.9	26.9	29.9
132.5°	26.9	23.9	23.9	23.9	26.9
135°	23.9	21.0	21.0	21.0	23.9
137.5°	21.0	18.0	15.0	18.0	21.0
140°	18.0	15.0	12.0	15.0	18.0
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)