

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: P384254

Luminaire Tested: **14ID-60-L830-CFD2**

Issue Date: 2/25/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P384254  
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-L830-CFD2  
Description: 1X4 IN DEPTH TROFFER WITH 2INCH DROP CUBE LENS

Light Source: -  
Ballast/Driver: -

**Summary**

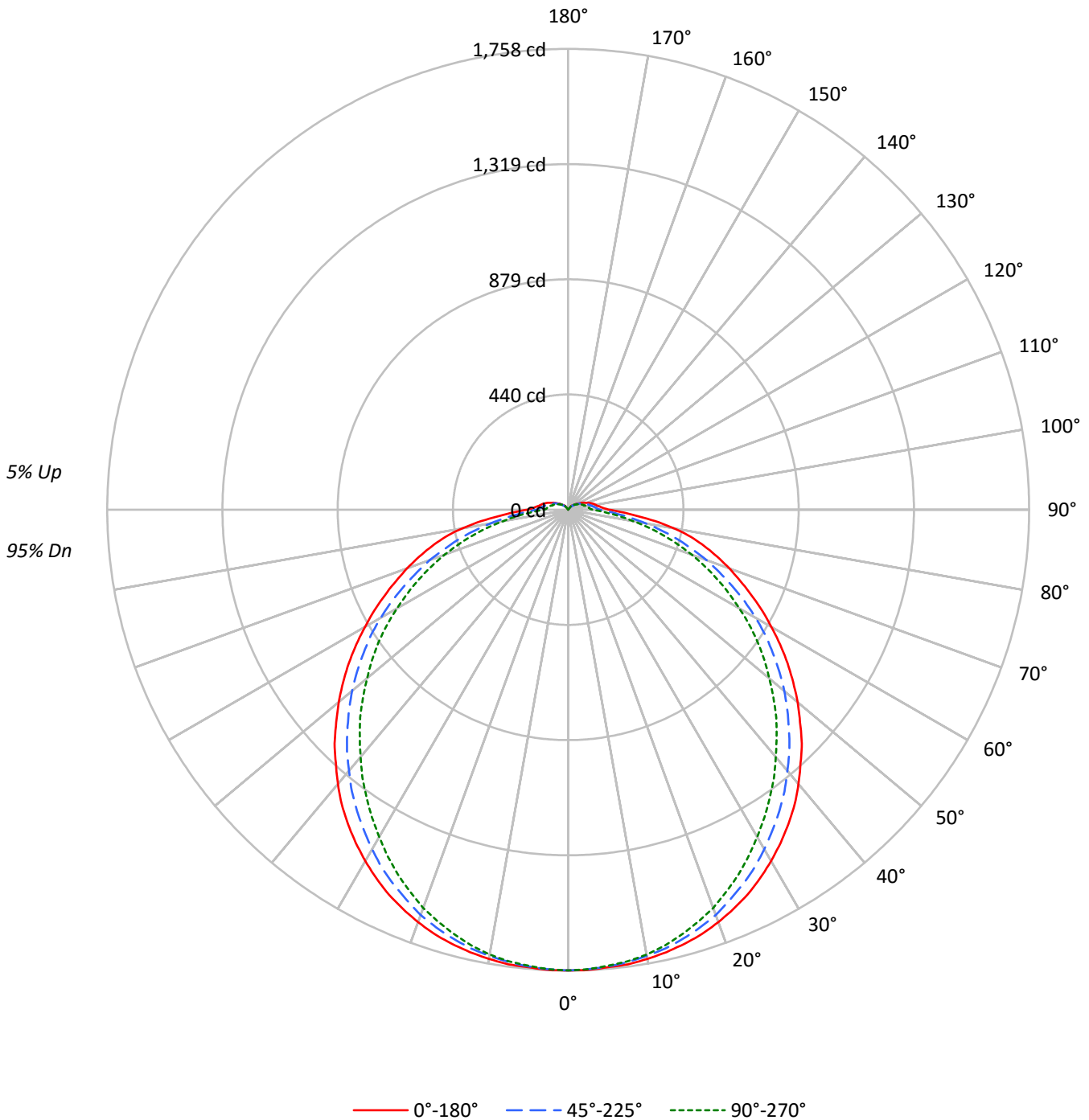
Lumens per Lamp: N/A  
Luminaire Lumens: 5700.6 lumens  
Efficiency: N/A  
Efficacy: 107.0 lumens/watt  
Spacing Criteria (0/90/45): 1.31 / 1.22 / 1.38  
Luminous Opening: Rectangular w/ Sides (W: 1' x L: 4' x H: 0.17')  
CIE Type: Direct

Input Watts (W): 53.3  
Input Voltage (V): NR  
Input Current (Ain): 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°	4730	4730	4730
5°	4715	4664	4649
10°	4721	4604	4574
15°	4724	4541	4473
20°	4723	4472	4365
25°	4717	4380	4232
30°	4696	4284	4085
35°	4674	4180	3943
40°	4638	4065	3794
45°	4603	3950	3660
50°	4555	3831	3497
55°	4522	3691	3347
60°	4491	3540	3148
65°	4506	3341	2942
70°	4610	3142	2701
75°	4840	2875	2397
80°	5157	2526	2016
85°	5415	2185	1651



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	166.3	2.9
10°-20°	478.3	8.4
20°-30°	726.5	12.7
30°-40°	877.6	15.4
40°-50°	918.5	16.1
50°-60°	852.3	15.0
60°-70°	690.3	12.1
70°-80°	465.9	8.2
80°-90°	225.1	3.9
90°-100°	113.2	2.0
100°-110°	82.3	1.4
110°-120°	55.0	1.0
120°-130°	31.9	0.6
130°-140°	16.1	0.3
140°-150°	1.2	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	1371.2	24.1
0°-40°	2248.8	39.4
0°-60°	4019.6	70.5
0°-90°	5400.9	94.7
90°-120°	250.5	4.4
90°-150°	299.7	5.3
90°-180°	300.0	5.3
0°-180°	5700.6	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1758	1758	1758	1758	1758	
5°	1752	1749	1749	1746	1746	167
15°	1714	1706	1694	1683	1677	484
25°	1620	1605	1576	1548	1536	746
35°	1464	1444	1404	1361	1340	916
45°	1260	1237	1191	1142	1122	971
55°	1021	998	952	906	883	913
65°	771	742	690	653	627	765
75°	538	483	429	397	374	567
85°	259	224	190	173	155	245
90°	155	141	121	109	92	89
95°	124	115	104	92	80	97
105°	92	86	78	69	63	98
115°	63	58	58	49	49	63
125°	40	34	37	32	34	35
135°	23	20	20	20	23	18
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°	1757.6	1757.6	1757.6	1757.6	1757.6
2.5°	1757.6	1754.7	1754.7	1754.7	1754.7
5°	1751.8	1749.0	1749.0	1746.1	1746.1
7.5°	1749.0	1743.2	1740.3	1737.5	1737.5
10°	1740.3	1734.6	1728.8	1723.1	1723.1
12.5°	1728.8	1723.1	1714.5	1702.9	1702.9
15°	1714.5	1705.8	1694.3	1682.8	1677.1
17.5°	1697.2	1688.6	1671.3	1654.0	1648.3
20°	1674.2	1662.7	1645.4	1622.4	1616.6
22.5°	1648.3	1636.8	1610.9	1587.9	1576.4
25°	1619.5	1605.1	1576.4	1547.6	1536.1
27.5°	1585.0	1570.6	1539.0	1504.5	1490.1
30°	1547.6	1530.4	1495.8	1458.4	1441.2
32.5°	1507.3	1487.2	1449.8	1409.5	1392.3
35°	1464.2	1444.1	1403.8	1360.6	1340.5
37.5°	1418.2	1398.0	1354.9	1308.9	1288.7
40°	1366.4	1346.2	1300.2	1254.2	1231.2
42.5°	1311.7	1294.5	1248.4	1199.5	1176.5
45°	1260.0	1236.9	1190.9	1142.0	1121.9
47.5°	1199.5	1182.3	1133.4	1084.5	1061.5
50°	1142.0	1121.9	1075.8	1026.9	1001.1
52.5°	1081.6	1064.3	1015.4	966.5	943.5
55°	1021.2	998.2	952.2	906.1	883.1
57.5°	957.9	937.8	891.7	848.6	819.8
60°	894.6	874.5	825.6	785.3	753.7
62.5°	834.2	811.2	759.4	716.3	690.4
65°	770.9	742.2	690.4	653.0	627.1
67.5°	710.5	676.0	624.2	589.7	563.8
70°	653.0	612.7	560.9	526.4	500.5
72.5°	595.5	546.6	491.9	460.3	437.2
75°	537.9	483.3	428.6	397.0	374.0
77.5°	480.4	417.1	362.5	336.6	313.5
80°	411.4	350.9	299.2	276.2	253.1
82.5°	333.7	284.8	241.6	218.6	201.4
85°	258.9	224.4	189.9	172.6	155.3
87.5°	201.4	175.5	149.6	135.2	120.8
90°	155.3	141.0	120.8	109.3	92.1
92.5°	135.2	123.7	109.3	97.8	83.4
95°	123.7	115.1	103.6	92.1	80.5
97.5°	112.2	106.4	94.9	86.3	74.8
100°	106.4	97.8	89.2	80.5	71.9
102.5°	100.7	92.1	83.4	74.8	69.0
105°	92.1	86.3	77.7	69.0	63.3
107.5°	86.3	77.7	71.9	63.3	60.4
110°	77.7	71.9	66.2	60.4	57.5



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	69.0	66.2	60.4	54.7	51.8
115°	63.3	57.5	57.5	48.9	48.9
117.5°	57.5	51.8	51.8	46.0	46.0
120°	48.9	46.0	46.0	40.3	40.3
122.5°	43.1	40.3	40.3	37.4	37.4
125°	40.3	34.5	37.4	31.6	34.5
127.5°	34.5	31.6	31.6	28.8	31.6
130°	28.8	25.9	25.9	25.9	28.8
132.5°	25.9	23.0	23.0	23.0	25.9
135°	23.0	20.1	20.1	20.1	23.0
137.5°	20.1	17.3	14.4	17.3	20.1
140°	17.3	14.4	11.5	14.4	17.3
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)