

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: P384598

Luminaire Tested: **14ID-70-L830-CFD3**

Issue Date: 2/25/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P384598  
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-70-L830-CFD3  
Description: 1X4 IN DEPTH TROFFER WITH 3INCH DROP CUBE LENS

Light Source: -  
Ballast/Driver: -

**Summary**

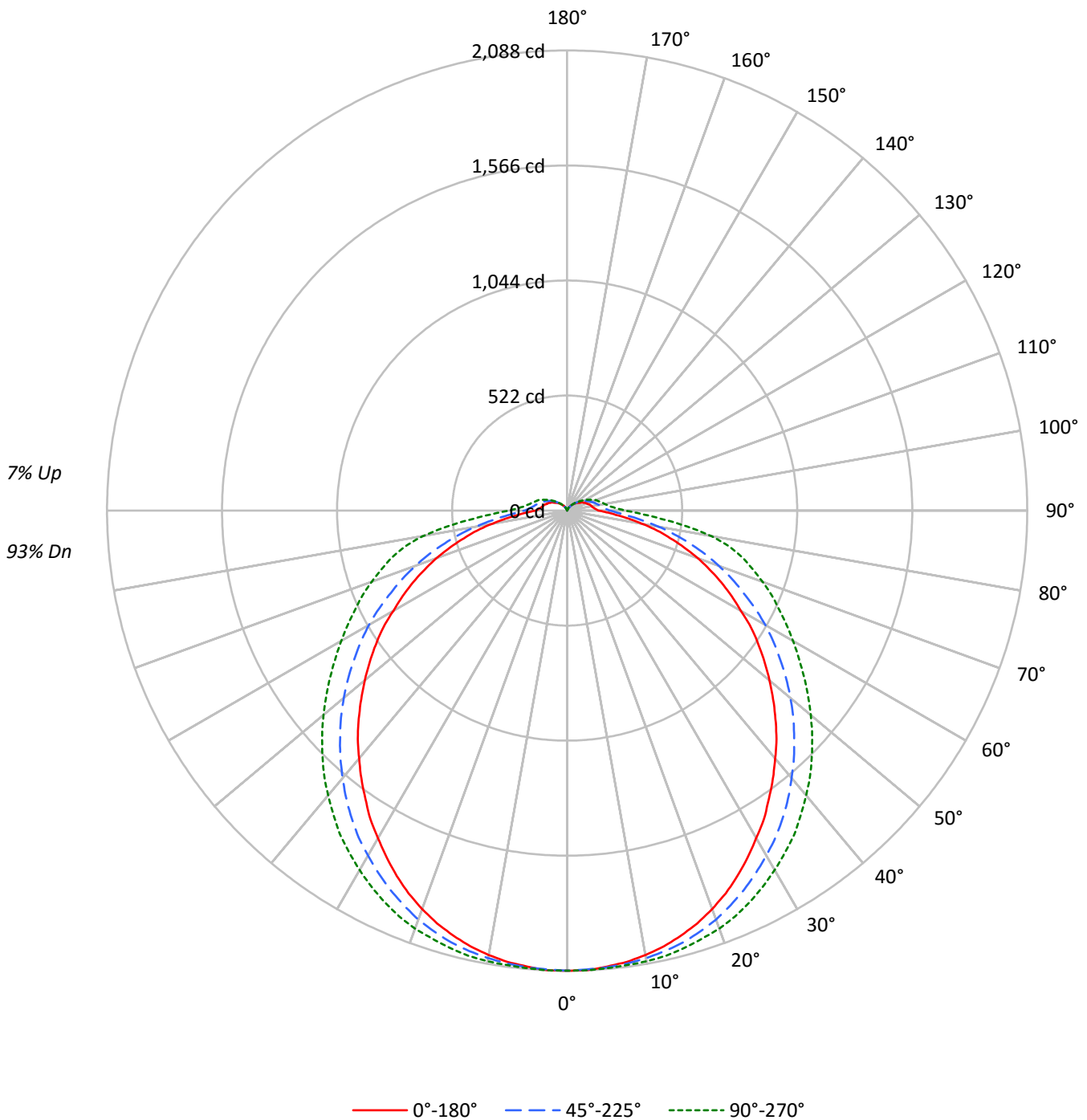
Lumens per Lamp: N/A  
Luminaire Lumens: 7305.4 lumens  
Efficiency: N/A  
Efficacy: 111.4 lumens/watt  
Spacing Criteria (0/90/45): 1.23 / 1.34 / 1.41  
Luminous Opening: Rectangular w/ Sides (W: 1' x L: 4' x H: 0.25')  
CIE Type: Direct

Input Watts (W): 65.6  
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°	5618	5618	5618
5°	5579	5513	5509
10°	5534	5423	5435
15°	5470	5337	5365
20°	5386	5234	5298
25°	5277	5110	5212
30°	5146	4980	5115
35°	5023	4851	5022
40°	4901	4696	4898
45°	4789	4542	4781
50°	4670	4382	4654
55°	4566	4210	4534
60°	4423	4041	4447
65°	4337	3809	4395
70°	4232	3585	4401
75°	4085	3280	4429
80°	3960	2907	4250
85°	4002	2456	3412



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	197.9	2.7
10°-20°	572.0	7.8
20°-30°	874.0	12.0
30°-40°	1063.8	14.6
40°-50°	1124.4	15.4
50°-60°	1061.4	14.5
60°-70°	893.0	12.2
70°-80°	643.8	8.8
80°-90°	339.5	4.6
90°-100°	181.7	2.5
100°-110°	138.0	1.9
110°-120°	100.1	1.4
120°-130°	62.9	0.9
130°-140°	34.0	0.5
140°-150°	14.8	0.2
150°-160°	4.0	0.1
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-30°	1643.9	22.5
0°-40°	2707.7	37.1
0°-60°	4893.5	67.0
0°-90°	6769.8	92.7
90°-120°	419.8	5.7
90°-150°	531.5	7.3
90°-180°	536.0	7.3
0°-180°	7305.4	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	2088	2088	2088	2088	2088	
5°	2077	2077	2080	2080	2084	197
15°	1996	2004	2029	2044	2055	563
25°	1829	1851	1898	1942	1960	842
35°	1596	1632	1705	1771	1796	999
45°	1337	1377	1457	1538	1570	1032
55°	1060	1108	1180	1268	1312	948
65°	772	816	882	991	1060	764
75°	485	525	576	689	823	514
85°	222	251	280	350	426	208
90°	142	168	193	230	262	81
95°	124	142	164	186	200	99
105°	106	117	131	146	153	110
115°	84	91	102	109	117	84
125°	62	62	73	73	76	56
135°	44	40	44	44	47	33
145°	26	22	22	22	26	16
155°	11	11	4	7	11	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°	2087.6	2087.6	2087.6	2087.6	2087.6
2.5°	2087.6	2084.0	2084.0	2084.0	2087.6
5°	2076.7	2076.7	2080.3	2080.3	2084.0
7.5°	2065.8	2065.8	2073.1	2076.7	2080.3
10°	2047.5	2051.2	2062.1	2069.4	2076.7
12.5°	2025.7	2029.3	2047.5	2062.1	2069.4
15°	1996.5	2003.8	2029.3	2043.9	2054.8
17.5°	1963.8	1974.7	2003.8	2025.7	2036.6
20°	1923.7	1938.2	1974.7	2003.8	2018.4
22.5°	1880.0	1894.5	1938.2	1974.7	1992.9
25°	1828.9	1850.8	1898.2	1941.9	1960.1
27.5°	1774.3	1799.8	1854.5	1905.5	1923.7
30°	1716.0	1745.2	1807.1	1861.7	1883.6
32.5°	1661.4	1690.5	1759.7	1818.0	1839.9
35°	1595.8	1632.2	1705.1	1770.7	1796.2
37.5°	1533.8	1570.3	1646.8	1716.0	1741.5
40°	1468.3	1504.7	1584.8	1661.4	1686.9
42.5°	1406.3	1442.8	1522.9	1603.1	1632.2
45°	1337.1	1377.2	1457.3	1537.5	1570.3
47.5°	1267.9	1308.0	1391.7	1475.5	1508.3
50°	1198.7	1242.4	1322.5	1406.3	1442.8
52.5°	1129.4	1173.2	1253.3	1340.7	1377.2
55°	1060.2	1107.6	1180.4	1267.9	1311.6
57.5°	991.0	1038.3	1111.2	1202.3	1246.0
60°	910.8	965.5	1038.3	1133.1	1184.1
62.5°	841.6	889.0	961.8	1060.2	1122.1
65°	772.4	816.1	881.7	991.0	1060.2
67.5°	699.5	746.9	808.8	910.8	1005.6
70°	630.3	670.4	732.3	838.0	943.6
72.5°	557.4	597.5	655.8	765.1	881.7
75°	484.6	524.6	575.6	688.6	823.4
77.5°	419.0	451.8	499.1	608.4	754.2
80°	346.1	378.9	422.6	521.0	663.1
82.5°	280.5	309.7	346.1	433.6	546.5
85°	222.2	251.4	280.5	349.8	426.3
87.5°	178.5	200.4	229.5	280.5	331.5
90°	142.1	167.6	193.1	229.5	262.3
92.5°	131.2	153.0	174.9	204.0	225.9
95°	123.9	142.1	163.9	185.8	200.4
97.5°	116.6	134.8	153.0	174.9	185.8
100°	112.9	127.5	145.7	163.9	171.2
102.5°	109.3	120.2	138.4	153.0	163.9
105°	105.7	116.6	131.2	145.7	153.0
107.5°	98.4	109.3	123.9	138.4	145.7
110°	94.7	102.0	116.6	127.5	138.4



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	91.1	98.4	109.3	120.2	127.5
115°	83.8	91.1	102.0	109.3	116.6
117.5°	80.2	83.8	94.7	98.4	105.7
120°	72.9	76.5	87.4	91.1	94.7
122.5°	65.6	69.2	80.2	80.2	87.4
125°	61.9	61.9	72.9	72.9	76.5
127.5°	58.3	58.3	65.6	65.6	69.2
130°	51.0	51.0	58.3	58.3	58.3
132.5°	47.4	43.7	51.0	51.0	54.6
135°	43.7	40.1	43.7	43.7	47.4
137.5°	36.4	36.4	40.1	36.4	40.1
140°	32.8	29.1	32.8	32.8	36.4
142.5°	29.1	25.5	29.1	25.5	29.1
145°	25.5	21.9	21.9	21.9	25.5
147.5°	21.9	18.2	18.2	18.2	21.9
150°	18.2	14.6	14.6	14.6	18.2
152.5°	14.6	10.9	7.3	10.9	14.6
155°	10.9	10.9	3.6	7.3	10.9
157.5°	7.3	7.3	0.0	3.6	7.3
160°	3.6	3.6	0.0	3.6	3.6
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)