

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: P384599

Luminaire Tested: **14ID-70-L835-CFD3**

Issue Date: 2/25/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P384599  
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-L835-CFD3  
Description: 1X4 IN DEPTH TROFFER WITH 3INCH DROP CUBE LENS

Light Source: -  
Ballast/Driver: -

**Summary**

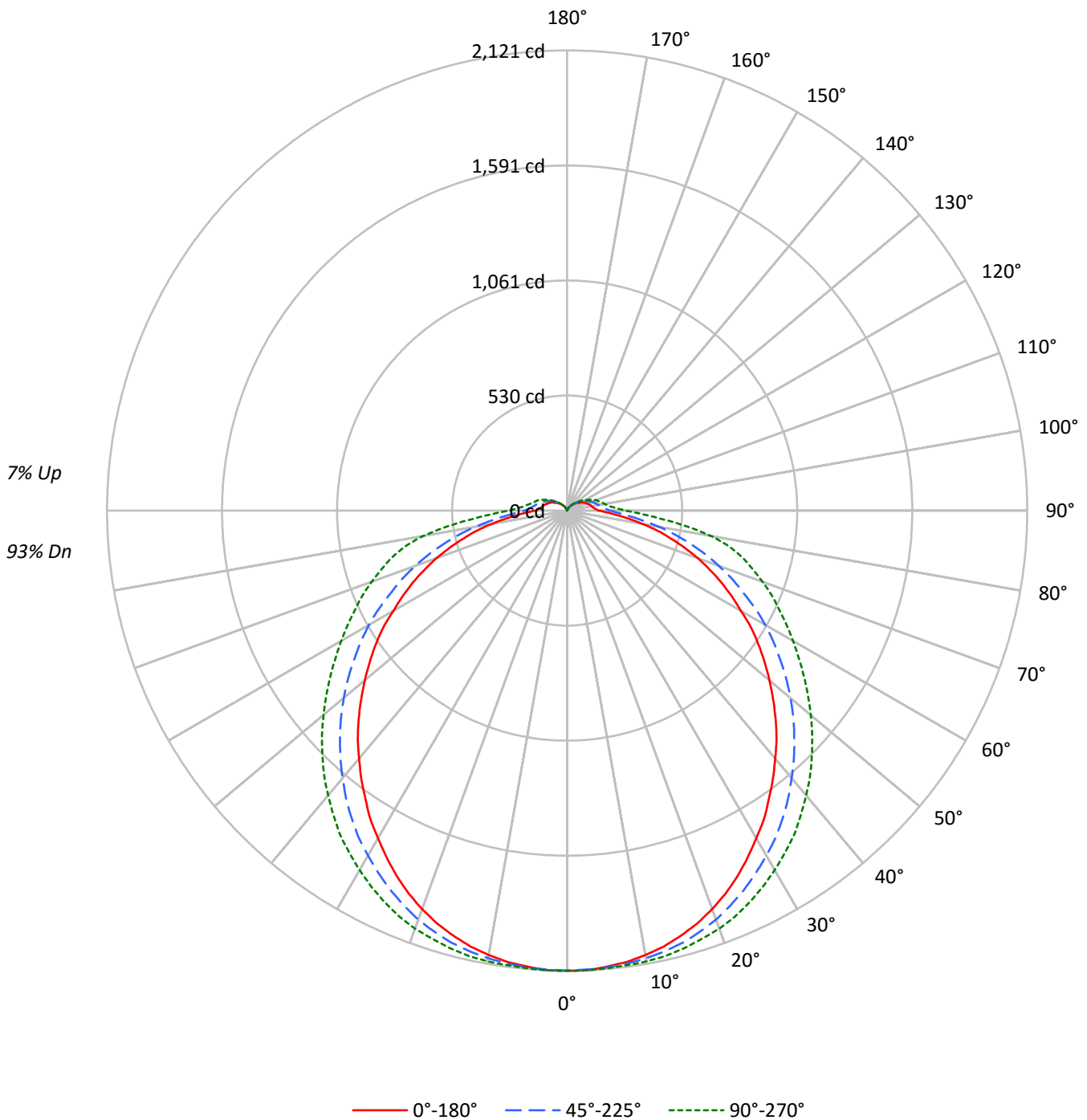
Lumens per Lamp: N/A  
Luminaire Lumens: 7421.3 lumens  
Efficiency: N/A  
Efficacy: 113.1 lumens/watt  
Spacing Criteria (0/90/45): 1.23 / 1.34 / 1.41  
Luminous Opening: Rectangular w/ Sides (W: 1' x L: 4' x H: 0.25')  
CIE Type: Direct

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°	5707	5707	5707
5°	5668	5601	5596
10°	5622	5510	5521
15°	5557	5422	5450
20°	5472	5317	5382
25°	5360	5191	5295
30°	5228	5059	5196
35°	5102	4928	5101
40°	4979	4771	4976
45°	4865	4615	4857
50°	4744	4452	4728
55°	4639	4277	4606
60°	4493	4106	4518
65°	4405	3870	4464
70°	4300	3642	4471
75°	4150	3332	4499
80°	4023	2953	4317
85°	4067	2496	3466



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	201.1	2.7
10°-20°	581.1	7.8
20°-30°	887.8	12.0
30°-40°	1080.7	14.6
40°-50°	1142.3	15.4
50°-60°	1078.2	14.5
60°-70°	907.1	12.2
70°-80°	654.0	8.8
80°-90°	344.9	4.6
90°-100°	184.6	2.5
100°-110°	140.2	1.9
110°-120°	101.7	1.4
120°-130°	63.8	0.9
130°-140°	34.5	0.5
140°-150°	15.1	0.2
150°-160°	4.0	0.1
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-30°	1670.0	22.5
0°-40°	2750.7	37.1
0°-60°	4971.2	67.0
0°-90°	6877.3	92.7
90°-120°	426.5	5.7
90°-150°	539.9	7.3
90°-180°	544.0	7.3
0°-180°	7421.3	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	2121	2121	2121	2121	2121	
5°	2110	2110	2113	2113	2117	201
15°	2028	2036	2062	2076	2088	572
25°	1858	1880	1928	1973	1991	856
35°	1621	1658	1732	1799	1825	1015
45°	1358	1399	1480	1562	1595	1048
55°	1077	1125	1199	1288	1332	963
65°	785	829	896	1007	1077	776
75°	492	533	585	700	836	523
85°	226	255	285	355	433	212
90°	144	170	196	233	266	83
95°	126	144	167	189	204	100
105°	107	118	133	148	155	112
115°	85	92	104	111	118	86
125°	63	63	74	74	78	57
135°	44	41	44	44	48	34
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°	2120.8	2120.8	2120.8	2120.8	2120.8
2.5°	2120.8	2117.1	2117.1	2117.1	2120.8
5°	2109.7	2109.7	2113.4	2113.4	2117.1
7.5°	2098.6	2098.6	2106.0	2109.7	2113.4
10°	2080.1	2083.8	2094.9	2102.3	2109.7
12.5°	2057.9	2061.6	2080.1	2094.9	2102.3
15°	2028.2	2035.6	2061.6	2076.4	2087.5
17.5°	1994.9	2006.0	2035.6	2057.9	2069.0
20°	1954.2	1969.0	2006.0	2035.6	2050.5
22.5°	1909.8	1924.6	1969.0	2006.0	2024.5
25°	1858.0	1880.2	1928.3	1972.7	1991.2
27.5°	1802.5	1828.4	1883.9	1935.7	1954.2
30°	1743.3	1772.9	1835.8	1891.3	1913.5
32.5°	1687.7	1717.3	1787.7	1846.9	1869.1
35°	1621.1	1658.1	1732.1	1798.8	1824.7
37.5°	1558.2	1595.2	1672.9	1743.3	1769.2
40°	1491.6	1528.6	1610.0	1687.7	1713.6
42.5°	1428.7	1465.7	1547.1	1628.5	1658.1
45°	1358.3	1399.0	1480.5	1561.9	1595.2
47.5°	1288.0	1328.7	1413.8	1499.0	1532.3
50°	1217.7	1262.1	1343.5	1428.7	1465.7
52.5°	1147.4	1191.8	1273.2	1362.0	1399.0
55°	1077.0	1125.2	1199.2	1288.0	1332.4
57.5°	1006.7	1054.8	1128.9	1221.4	1265.8
60°	925.3	980.8	1054.8	1151.1	1202.9
62.5°	855.0	903.1	977.1	1077.0	1140.0
65°	784.6	829.1	895.7	1006.7	1077.0
67.5°	710.6	758.7	821.7	925.3	1021.5
70°	640.3	681.0	743.9	851.3	958.6
72.5°	566.3	607.0	666.2	777.2	895.7
75°	492.3	533.0	584.8	699.5	836.5
77.5°	425.6	458.9	507.1	618.1	766.1
80°	351.6	384.9	429.3	529.3	673.6
82.5°	285.0	314.6	351.6	440.4	555.2
85°	225.8	255.4	285.0	355.3	433.0
87.5°	181.4	203.6	233.2	285.0	336.8
90°	144.3	170.3	196.2	233.2	266.5
92.5°	133.2	155.4	177.7	207.3	229.5
95°	125.8	144.3	166.6	188.8	203.6
97.5°	118.4	136.9	155.4	177.7	188.8
100°	114.7	129.5	148.0	166.6	174.0
102.5°	111.0	122.1	140.6	155.4	166.6
105°	107.3	118.4	133.2	148.0	155.4
107.5°	99.9	111.0	125.8	140.6	148.0
110°	96.2	103.6	118.4	129.5	140.6



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	92.5	99.9	111.0	122.1	129.5
115°	85.1	92.5	103.6	111.0	118.4
117.5°	81.4	85.1	96.2	99.9	107.3
120°	74.0	77.7	88.8	92.5	96.2
122.5°	66.6	70.3	81.4	81.4	88.8
125°	62.9	62.9	74.0	74.0	77.7
127.5°	59.2	59.2	66.6	66.6	70.3
130°	51.8	51.8	59.2	59.2	59.2
132.5°	48.1	44.4	51.8	51.8	55.5
135°	44.4	40.7	44.4	44.4	48.1
137.5°	37.0	37.0	40.7	37.0	40.7
140°	33.3	29.6	33.3	33.3	37.0
142.5°	29.6	25.9	29.6	25.9	29.6
145°	25.9	22.2	22.2	22.2	25.9
147.5°	22.2	18.5	18.5	18.5	22.2
150°	18.5	14.8	14.8	14.8	18.5
152.5°	14.8	11.1	7.4	11.1	14.8
155°	11.1	11.1	3.7	7.4	11.1
157.5°	7.4	7.4	0.0	3.7	7.4
160°	3.7	3.7	0.0	3.7	3.7
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)