

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: P384263

Luminaire Tested: **14ID-70-L835-CFD2**

Issue Date: 2/25/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P384263  
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-70-L835-CFD2  
Description: 1X4 IN DEPTH TROFFER WITH 2INCH DROP CUBE LENS

Light Source: -  
Ballast/Driver: -

**Summary**

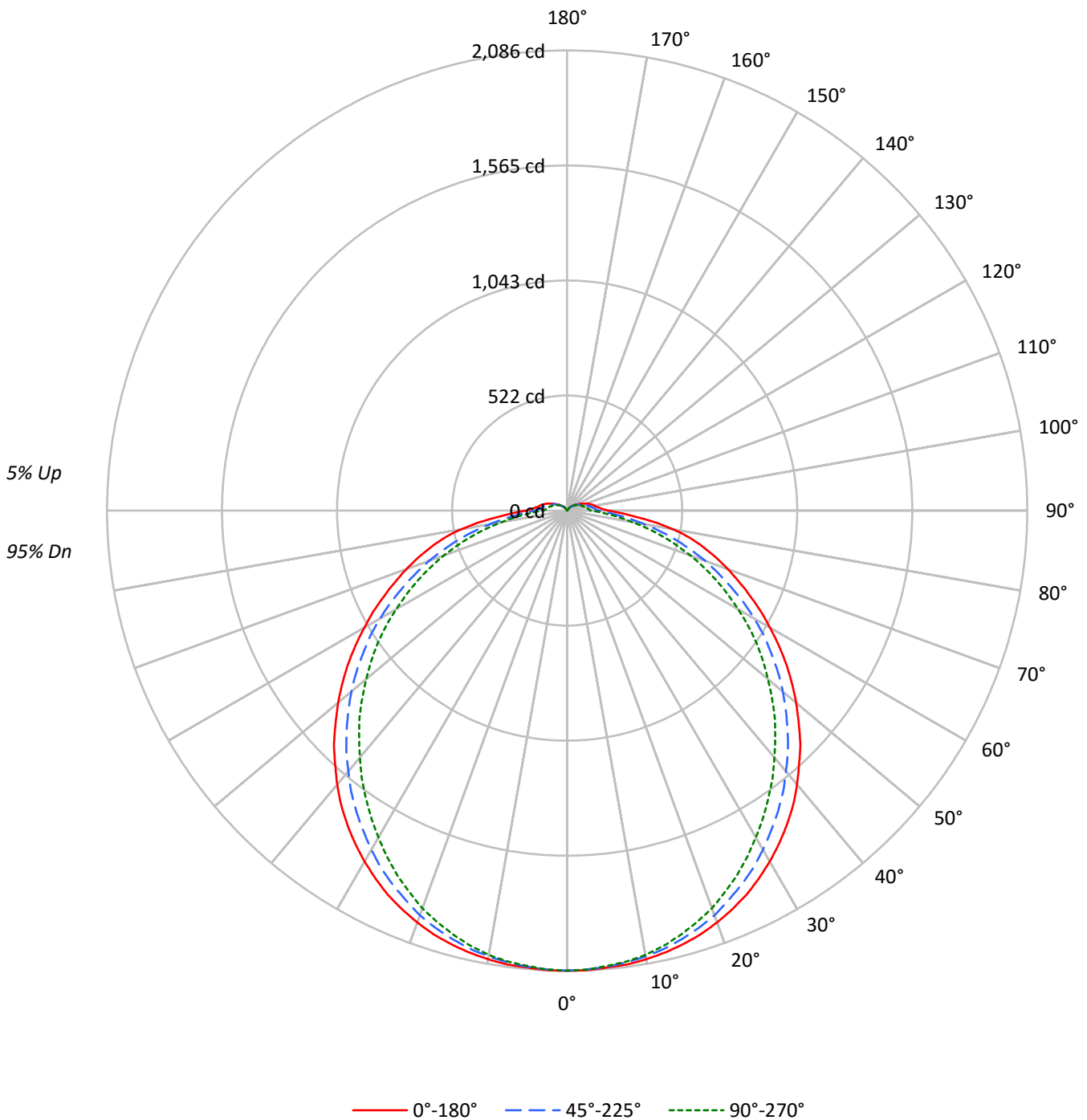
Lumens per Lamp: N/A  
Luminaire Lumens: 6765.2 lumens  
Efficiency: N/A  
Efficacy: 103.1 lumens/watt  
Spacing Criteria (0/90/45): 1.31 / 1.22 / 1.38  
Luminous Opening: Rectangular w/ Sides (W: 1' x L: 4' x H: 0.17')  
CIE Type: Direct

Input Watts (W): 65.6  
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°	5613	5613	5613
5°	5596	5535	5517
10°	5603	5464	5428
15°	5606	5389	5308
20°	5605	5307	5180
25°	5598	5198	5022
30°	5573	5084	4848
35°	5546	4961	4680
40°	5504	4824	4503
45°	5463	4688	4343
50°	5405	4547	4149
55°	5366	4380	3971
60°	5329	4201	3735
65°	5348	3964	3491
70°	5471	3729	3206
75°	5744	3413	2845
80°	6119	2997	2393
85°	6425	2592	1959



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	197.4	2.9
10°-20°	567.7	8.4
20°-30°	862.2	12.7
30°-40°	1041.5	15.4
40°-50°	1090.0	16.1
50°-60°	1011.5	15.0
60°-70°	819.3	12.1
70°-80°	552.9	8.2
80°-90°	267.1	3.9
90°-100°	134.4	2.0
100°-110°	97.7	1.4
110°-120°	65.3	1.0
120°-130°	37.8	0.6
130°-140°	19.1	0.3
140°-150°	1.5	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	1627.3	24.1
0°-40°	2668.7	39.4
0°-60°	4770.2	70.5
0°-90°	6409.5	94.7
90°-120°	297.3	4.4
90°-150°	355.7	5.3
90°-180°	356.0	5.3
0°-180°	6765.2	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	2086	2086	2086	2086	2086	
5°	2079	2076	2076	2072	2072	198
15°	2035	2024	2011	1997	1990	575
25°	1922	1905	1871	1837	1823	886
35°	1738	1714	1666	1615	1591	1087
45°	1495	1468	1413	1355	1331	1152
55°	1212	1185	1130	1075	1048	1083
65°	915	881	819	775	744	908
75°	638	574	509	471	444	672
85°	307	266	225	205	184	290
90°	184	167	143	130	109	105
95°	147	137	123	109	96	115
105°	109	102	92	82	75	117
115°	75	68	68	58	58	75
125°	48	41	44	38	41	42
135°	27	24	24	24	27	21
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°	2085.8	2085.8	2085.8	2085.8	2085.8
2.5°	2085.8	2082.4	2082.4	2082.4	2082.4
5°	2079.0	2075.6	2075.6	2072.2	2072.2
7.5°	2075.6	2068.8	2065.4	2061.9	2061.9
10°	2065.4	2058.5	2051.7	2044.9	2044.9
12.5°	2051.7	2044.9	2034.6	2021.0	2021.0
15°	2034.6	2024.4	2010.7	1997.1	1990.3
17.5°	2014.1	2003.9	1983.4	1962.9	1956.1
20°	1986.8	1973.2	1952.7	1925.4	1918.6
22.5°	1956.1	1942.5	1911.7	1884.4	1870.8
25°	1922.0	1904.9	1870.8	1836.6	1823.0
27.5°	1881.0	1863.9	1826.4	1785.4	1768.4
30°	1836.6	1816.1	1775.2	1730.8	1710.3
32.5°	1788.8	1764.9	1720.6	1672.8	1652.3
35°	1737.6	1713.7	1665.9	1614.7	1590.8
37.5°	1683.0	1659.1	1607.9	1553.3	1529.4
40°	1621.6	1597.7	1543.0	1488.4	1461.1
42.5°	1556.7	1536.2	1481.6	1423.6	1396.2
45°	1495.2	1467.9	1413.3	1355.3	1331.4
47.5°	1423.6	1403.1	1345.0	1287.0	1259.7
50°	1355.3	1331.4	1276.8	1218.7	1188.0
52.5°	1283.6	1263.1	1205.1	1147.0	1119.7
55°	1211.9	1184.6	1130.0	1075.4	1048.0
57.5°	1136.8	1112.9	1058.3	1007.1	972.9
60°	1061.7	1037.8	979.8	932.0	894.4
62.5°	990.0	962.7	901.2	850.0	819.3
65°	914.9	880.8	819.3	774.9	744.2
67.5°	843.2	802.2	740.8	699.8	669.1
70°	774.9	727.1	665.7	624.7	594.0
72.5°	706.7	648.6	583.8	546.2	518.9
75°	638.4	573.5	508.7	471.1	443.8
77.5°	570.1	495.0	430.1	399.4	372.1
80°	488.2	416.5	355.0	327.7	300.4
82.5°	396.0	338.0	286.8	259.4	239.0
85°	307.2	266.3	225.3	204.8	184.3
87.5°	239.0	208.2	177.5	160.4	143.4
90°	184.3	167.3	143.4	129.7	109.2
92.5°	160.4	146.8	129.7	116.1	99.0
95°	146.8	136.6	122.9	109.2	95.6
97.5°	133.1	126.3	112.7	102.4	88.8
100°	126.3	116.1	105.8	95.6	85.3
102.5°	119.5	109.2	99.0	88.8	81.9
105°	109.2	102.4	92.2	81.9	75.1
107.5°	102.4	92.2	85.3	75.1	71.7
110°	92.2	85.3	78.5	71.7	68.3



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	81.9	78.5	71.7	64.9	61.4
115°	75.1	68.3	68.3	58.0	58.0
117.5°	68.3	61.4	61.4	54.6	54.6
120°	58.0	54.6	54.6	47.8	47.8
122.5°	51.2	47.8	47.8	44.4	44.4
125°	47.8	41.0	44.4	37.6	41.0
127.5°	41.0	37.6	37.6	34.1	37.6
130°	34.1	30.7	30.7	30.7	34.1
132.5°	30.7	27.3	27.3	27.3	30.7
135°	27.3	23.9	23.9	23.9	27.3
137.5°	23.9	20.5	17.1	20.5	23.9
140°	20.5	17.1	13.7	17.1	20.5
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

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