

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: P384603

Luminaire Tested: **14ID-75-L835-CFD3**

Issue Date: 2/25/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P384603  
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-75-L835-CFD3  
Description: 1X4 IN DEPTH TROFFER WITH 3INCH DROP CUBE LENS

Light Source: -  
Ballast/Driver: -

**Summary**

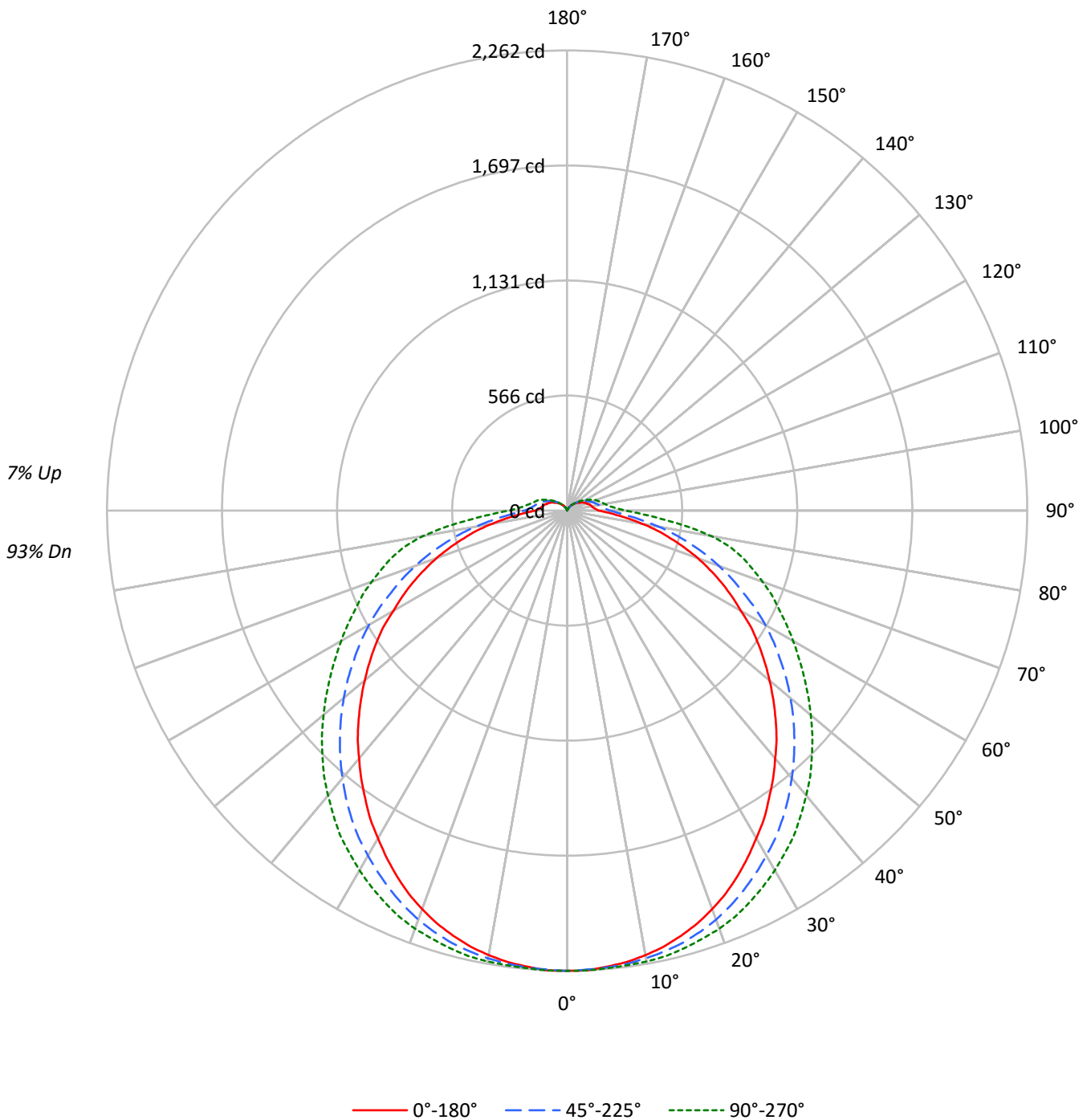
Lumens per Lamp: N/A  
Luminaire Lumens: 7917.0 lumens  
Efficiency: N/A  
Efficacy: 111.7 lumens/watt  
Spacing Criteria (0/90/45): 1.23 / 1.34 / 1.41  
Luminous Opening: Rectangular w/ Sides (W: 1' x L: 4' x H: 0.25')  
CIE Type: Direct

Input Watts (W): 70.9  
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°	6088	6088	6088
5°	6046	5974	5970
10°	5997	5878	5890
15°	5929	5784	5814
20°	5837	5672	5742
25°	5719	5537	5649
30°	5577	5397	5543
35°	5443	5257	5442
40°	5311	5090	5308
45°	5190	4922	5181
50°	5061	4749	5043
55°	4949	4562	4914
60°	4794	4380	4819
65°	4700	4128	4763
70°	4587	3885	4770
75°	4427	3554	4799
80°	4292	3150	4606
85°	4337	2662	3698



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	214.5	2.7
10°-20°	619.9	7.8
20°-30°	947.1	12.0
30°-40°	1152.9	14.6
40°-50°	1218.6	15.4
50°-60°	1150.2	14.5
60°-70°	967.7	12.2
70°-80°	697.7	8.8
80°-90°	367.9	4.6
90°-100°	197.0	2.5
100°-110°	149.6	1.9
110°-120°	108.5	1.4
120°-130°	68.1	0.9
130°-140°	36.8	0.5
140°-150°	16.1	0.2
150°-160°	4.3	0.1
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-30°	1781.5	22.5
0°-40°	2934.4	37.1
0°-60°	5303.2	67.0
0°-90°	7336.5	92.7
90°-120°	455.0	5.7
90°-150°	576.0	7.3
90°-180°	580.0	7.3
0°-180°	7917.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	2262	2262	2262	2262	2262	
5°	2251	2251	2254	2254	2258	214
15°	2164	2172	2199	2215	2227	610
25°	1982	2006	2057	2104	2124	913
35°	1729	1769	1848	1919	1946	1083
45°	1449	1492	1579	1666	1702	1118
55°	1149	1200	1279	1374	1421	1027
65°	837	884	956	1074	1149	827
75°	525	569	624	746	892	558
85°	241	272	304	379	462	226
90°	154	182	209	249	284	88
95°	134	154	178	201	217	107
105°	114	126	142	158	166	120
115°	91	99	111	118	126	91
125°	67	67	79	79	83	60
135°	47	43	47	47	51	36
145°	28	24	24	24	28	18
155°	12	12	4	8	12	6
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°	2262.4	2262.4	2262.4	2262.4	2262.4
2.5°	2262.4	2258.4	2258.4	2258.4	2262.4
5°	2250.6	2250.6	2254.5	2254.5	2258.4
7.5°	2238.7	2238.7	2246.6	2250.6	2254.5
10°	2219.0	2222.9	2234.8	2242.7	2250.6
12.5°	2195.3	2199.2	2219.0	2234.8	2242.7
15°	2163.7	2171.6	2199.2	2215.0	2226.9
17.5°	2128.2	2140.0	2171.6	2195.3	2207.1
20°	2084.7	2100.5	2140.0	2171.6	2187.4
22.5°	2037.3	2053.1	2100.5	2140.0	2159.7
25°	1982.1	2005.8	2057.1	2104.5	2124.2
27.5°	1922.8	1950.5	2009.7	2065.0	2084.7
30°	1859.7	1891.3	1958.4	2017.6	2041.3
32.5°	1800.4	1832.0	1907.0	1970.2	1993.9
35°	1729.4	1768.9	1847.8	1918.9	1946.5
37.5°	1662.3	1701.7	1784.6	1859.7	1887.3
40°	1591.2	1630.7	1717.5	1800.4	1828.1
42.5°	1524.1	1563.5	1650.4	1737.3	1768.9
45°	1449.0	1492.5	1579.3	1666.2	1701.7
47.5°	1374.0	1417.5	1508.3	1599.1	1634.6
50°	1299.0	1346.4	1433.2	1524.1	1563.5
52.5°	1224.0	1271.4	1358.2	1453.0	1492.5
55°	1149.0	1200.3	1279.3	1374.0	1421.4
57.5°	1073.9	1125.3	1204.2	1303.0	1350.3
60°	987.1	1046.3	1125.3	1227.9	1283.2
62.5°	912.1	963.4	1042.4	1149.0	1216.1
65°	837.0	884.4	955.5	1073.9	1149.0
67.5°	758.1	809.4	876.5	987.1	1089.7
70°	683.1	726.5	793.6	908.1	1022.6
72.5°	604.1	647.5	710.7	829.2	955.5
75°	525.1	568.6	623.8	746.2	892.3
77.5°	454.1	489.6	540.9	659.4	817.3
80°	375.1	410.6	458.0	564.6	718.6
82.5°	304.0	335.6	375.1	469.9	592.3
85°	240.8	272.4	304.0	379.0	462.0
87.5°	193.5	217.2	248.7	304.0	359.3
90°	154.0	181.6	209.3	248.7	284.3
92.5°	142.1	165.8	189.5	221.1	244.8
95°	134.2	154.0	177.7	201.4	217.2
97.5°	126.3	146.1	165.8	189.5	201.4
100°	122.4	138.2	157.9	177.7	185.6
102.5°	118.5	130.3	150.0	165.8	177.7
105°	114.5	126.3	142.1	157.9	165.8
107.5°	106.6	118.5	134.2	150.0	157.9
110°	102.7	110.6	126.3	138.2	150.0



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	98.7	106.6	118.5	130.3	138.2
115°	90.8	98.7	110.6	118.5	126.3
117.5°	86.9	90.8	102.7	106.6	114.5
120°	79.0	82.9	94.8	98.7	102.7
122.5°	71.1	75.0	86.9	86.9	94.8
125°	67.1	67.1	79.0	79.0	82.9
127.5°	63.2	63.2	71.1	71.1	75.0
130°	55.3	55.3	63.2	63.2	63.2
132.5°	51.3	47.4	55.3	55.3	59.2
135°	47.4	43.4	47.4	47.4	51.3
137.5°	39.5	39.5	43.4	39.5	43.4
140°	35.5	31.6	35.5	35.5	39.5
142.5°	31.6	27.6	31.6	27.6	31.6
145°	27.6	23.7	23.7	23.7	27.6
147.5°	23.7	19.7	19.7	19.7	23.7
150°	19.7	15.8	15.8	15.8	19.7
152.5°	15.8	11.8	7.9	11.8	15.8
155°	11.8	11.8	3.9	7.9	11.8
157.5°	7.9	7.9	0.0	3.9	7.9
160°	3.9	3.9	0.0	3.9	3.9
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)