

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: P384607

Luminaire Tested: **14ID-80-L835-CFD3**

Issue Date: 2/25/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P384607  
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-80-L835-CFD3  
Description: 1X4 IN DEPTH TROFFER WITH 3INCH DROP CUBE LENS

Light Source: -  
Ballast/Driver: -

**Summary**

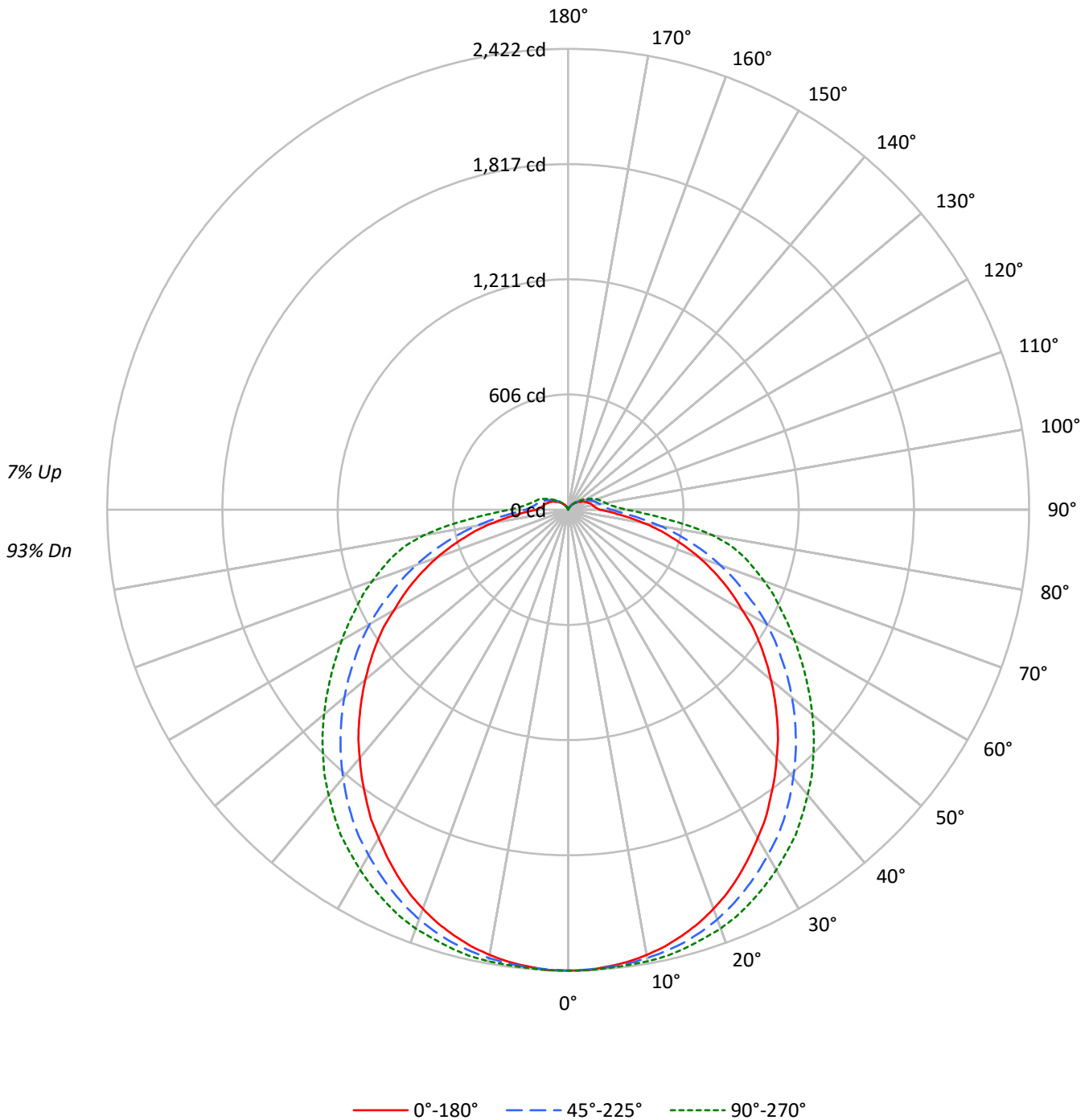
Lumens per Lamp: N/A  
Luminaire Lumens: 8477.4 lumens  
Efficiency: N/A  
Efficacy: 110.0 lumens/watt  
Spacing Criteria (0/90/45): 1.23 / 1.34 / 1.41  
Luminous Opening: Rectangular w/ Sides (W: 1' x L: 4' x H: 0.25')  
CIE Type: Direct

Input Watts (W): 77.1  
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°	6519	6519	6519
5°	6474	6397	6393
10°	6422	6293	6307
15°	6348	6194	6226
20°	6250	6074	6148
25°	6123	5929	6049
30°	5972	5779	5935
35°	5828	5629	5827
40°	5687	5450	5684
45°	5557	5271	5548
50°	5420	5086	5400
55°	5299	4885	5262
60°	5133	4690	5160
65°	5033	4420	5100
70°	4911	4160	5107
75°	4741	3806	5139
80°	4595	3373	4932
85°	4645	2850	3960



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	229.7	2.7
10°-20°	663.8	7.8
20°-30°	1014.2	12.0
30°-40°	1234.5	14.6
40°-50°	1304.8	15.4
50°-60°	1231.7	14.5
60°-70°	1036.2	12.2
70°-80°	747.1	8.8
80°-90°	394.0	4.6
90°-100°	210.9	2.5
100°-110°	160.2	1.9
110°-120°	116.2	1.4
120°-130°	72.9	0.9
130°-140°	39.4	0.5
140°-150°	17.2	0.2
150°-160°	4.6	0.1
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-30°	1907.6	22.5
0°-40°	3142.1	37.1
0°-60°	5678.6	67.0
0°-90°	7855.9	92.7
90°-120°	487.2	5.7
90°-150°	616.8	7.3
90°-180°	622.0	7.3
0°-180°	8477.4	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	2422	2422	2422	2422	2422	
5°	2410	2410	2414	2414	2418	229
15°	2317	2325	2355	2372	2384	653
25°	2122	2148	2203	2253	2275	977
35°	1852	1894	1979	2055	2084	1160
45°	1552	1598	1691	1784	1822	1197
55°	1230	1285	1370	1471	1522	1100
65°	896	947	1023	1150	1230	886
75°	562	609	668	799	956	597
85°	258	292	326	406	495	242
90°	165	194	224	266	304	94
95°	144	165	190	216	232	115
105°	123	135	152	169	178	128
115°	97	106	118	127	135	98
125°	72	72	85	85	89	65
135°	51	46	51	51	55	38
145°	30	25	25	25	30	19
155°	13	13	4	8	13	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°	2422.5	2422.5	2422.5	2422.5	2422.5
2.5°	2422.5	2418.3	2418.3	2418.3	2422.5
5°	2409.9	2409.9	2414.1	2414.1	2418.3
7.5°	2397.2	2397.2	2405.6	2409.9	2414.1
10°	2376.0	2380.3	2392.9	2401.4	2409.9
12.5°	2350.7	2354.9	2376.0	2392.9	2401.4
15°	2316.8	2325.3	2354.9	2371.8	2384.5
17.5°	2278.8	2291.5	2325.3	2350.7	2363.4
20°	2232.3	2249.2	2291.5	2325.3	2342.2
22.5°	2181.6	2198.5	2249.2	2291.5	2312.6
25°	2122.4	2147.7	2202.7	2253.4	2274.6
27.5°	2058.9	2088.5	2152.0	2211.1	2232.3
30°	1991.3	2025.1	2097.0	2160.4	2185.8
32.5°	1927.9	1961.7	2042.0	2109.7	2135.0
35°	1851.8	1894.1	1978.6	2054.7	2084.3
37.5°	1779.9	1822.2	1911.0	1991.3	2020.9
40°	1703.8	1746.1	1839.1	1927.9	1957.5
42.5°	1631.9	1674.2	1767.2	1860.2	1894.1
45°	1551.6	1598.1	1691.1	1784.1	1822.2
47.5°	1471.3	1517.8	1615.0	1712.3	1750.3
50°	1391.0	1441.7	1534.7	1631.9	1674.2
52.5°	1310.6	1361.4	1454.4	1555.8	1598.1
55°	1230.3	1285.3	1369.8	1471.3	1522.0
57.5°	1150.0	1204.9	1289.5	1395.2	1445.9
60°	1057.0	1120.4	1204.9	1314.9	1374.0
62.5°	976.6	1031.6	1116.1	1230.3	1302.2
65°	896.3	947.0	1023.1	1150.0	1230.3
67.5°	811.7	866.7	938.6	1057.0	1166.9
70°	731.4	777.9	849.8	972.4	1095.0
72.5°	646.9	693.4	761.0	887.8	1023.1
75°	562.3	608.8	668.0	799.1	955.5
77.5°	486.2	524.2	579.2	706.0	875.2
80°	401.6	439.7	490.4	604.6	769.5
82.5°	325.5	359.4	401.6	503.1	634.2
85°	257.9	291.7	325.5	405.9	494.7
87.5°	207.2	232.5	266.4	325.5	384.7
90°	164.9	194.5	224.1	266.4	304.4
92.5°	152.2	177.6	202.9	236.8	262.1
95°	143.7	164.9	190.3	215.6	232.5
97.5°	135.3	156.4	177.6	202.9	215.6
100°	131.1	148.0	169.1	190.3	198.7
102.5°	126.8	139.5	160.7	177.6	190.3
105°	122.6	135.3	152.2	169.1	177.6
107.5°	114.2	126.8	143.7	160.7	169.1
110°	109.9	118.4	135.3	148.0	160.7



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	105.7	114.2	126.8	139.5	148.0
115°	97.2	105.7	118.4	126.8	135.3
117.5°	93.0	97.2	109.9	114.2	122.6
120°	84.6	88.8	101.5	105.7	109.9
122.5°	76.1	80.3	93.0	93.0	101.5
125°	71.9	71.9	84.6	84.6	88.8
127.5°	67.6	67.6	76.1	76.1	80.3
130°	59.2	59.2	67.6	67.6	67.6
132.5°	55.0	50.7	59.2	59.2	63.4
135°	50.7	46.5	50.7	50.7	55.0
137.5°	42.3	42.3	46.5	42.3	46.5
140°	38.1	33.8	38.1	38.1	42.3
142.5°	33.8	29.6	33.8	29.6	33.8
145°	29.6	25.4	25.4	25.4	29.6
147.5°	25.4	21.1	21.1	21.1	25.4
150°	21.1	16.9	16.9	16.9	21.1
152.5°	16.9	12.7	8.5	12.7	16.9
155°	12.7	12.7	4.2	8.5	12.7
157.5°	8.5	8.5	0.0	4.2	8.5
160°	4.2	4.2	0.0	4.2	4.2
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)