

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: P384659

Luminaire Tested: **22ID-75-L835-CFD3**

Issue Date: 2/25/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P384659  
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: 22ID-75-L835-CFD3  
Description: 2X2 IN DEPTH TROFFER WITH 3INCH DROP CUBE LENS

Light Source: -  
Ballast/Driver: -

**Summary**

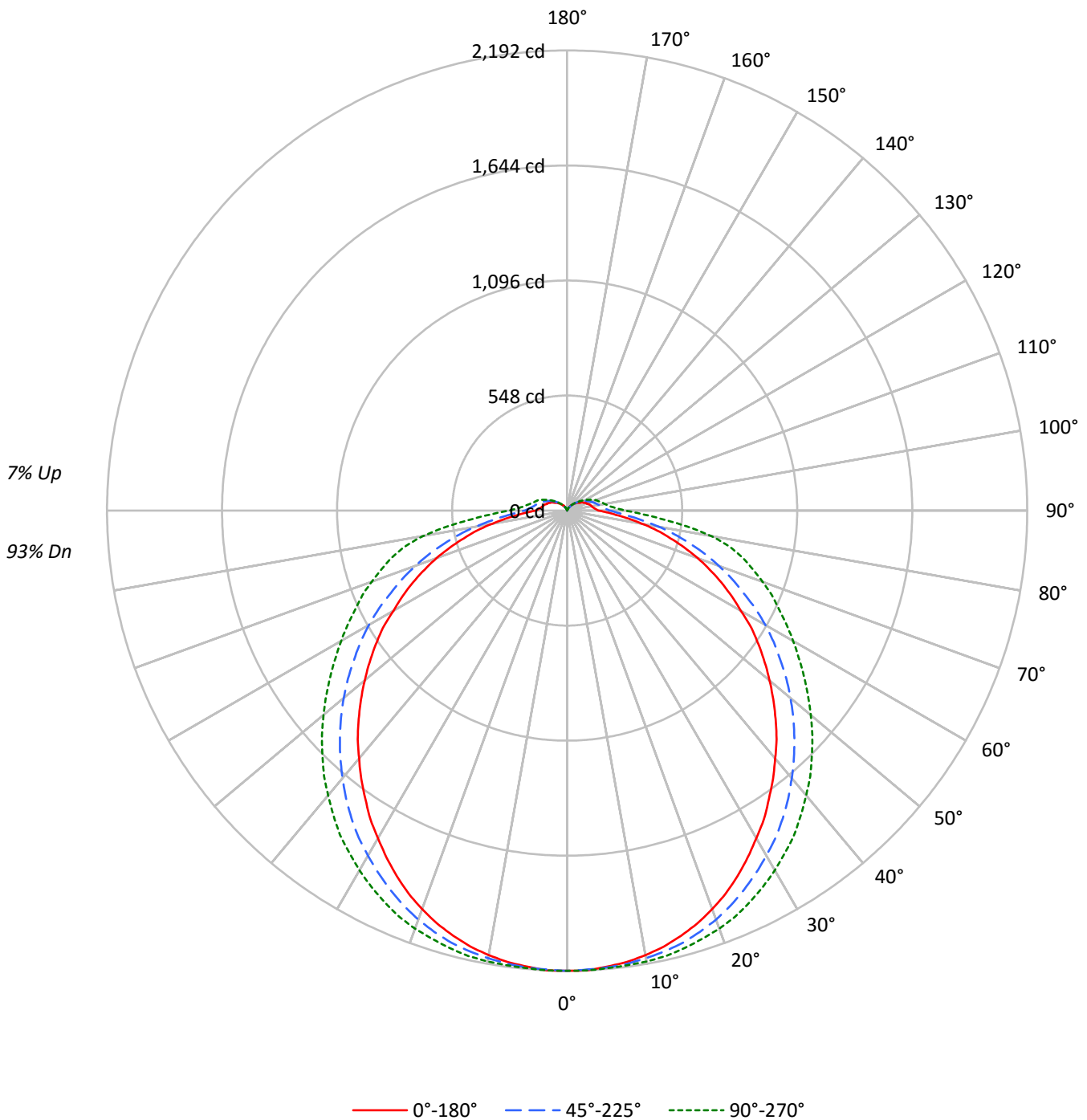
Lumens per Lamp: N/A  
Luminaire Lumens: 7671.8 lumens  
Efficiency: N/A  
Efficacy: 116.6 lumens/watt  
Spacing Criteria (0/90/45): 1.23 / 1.34 / 1.41  
Luminous Opening: Rectangular w/ Sides (W: 2' x L: 2' x H: 0.25')  
CIE Type: Direct

Input Watts (W): 65.8  
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°	5899	5899	5899
5°	5827	5812	5848
10°	5749	5738	5831
15°	5652	5669	5817
20°	5533	5579	5806
25°	5389	5468	5775
30°	5223	5351	5733
35°	5062	5234	5698
40°	4902	5091	5632
45°	4750	4949	5578
50°	4587	4803	5520
55°	4432	4643	5483
60°	4232	4493	5501
65°	4073	4275	5591
70°	3876	4072	5803
75°	3608	3787	6130
80°	3296	3434	6314
85°	2967	3011	5690



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	207.9	2.7
10°-20°	600.7	7.8
20°-30°	917.8	12.0
30°-40°	1117.2	14.6
40°-50°	1180.8	15.4
50°-60°	1114.6	14.5
60°-70°	937.7	12.2
70°-80°	676.1	8.8
80°-90°	356.5	4.6
90°-100°	190.9	2.5
100°-110°	144.9	1.9
110°-120°	105.1	1.4
120°-130°	66.0	0.9
130°-140°	35.7	0.5
140°-150°	15.6	0.2
150°-160°	4.2	0.1
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-30°	1726.4	22.5
0°-40°	2843.5	37.1
0°-60°	5139.0	67.0
0°-90°	7109.3	92.7
90°-120°	440.9	5.7
90°-150°	558.2	7.3
90°-180°	562.0	7.3
0°-180°	7671.8	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	2192	2192	2192	2192	2192	
5°	2181	2181	2185	2185	2188	207
15°	2097	2104	2131	2146	2158	591
25°	1921	1944	1993	2039	2058	884
35°	1676	1714	1791	1860	1886	1050
45°	1404	1446	1530	1615	1649	1084
55°	1113	1163	1240	1332	1377	995
65°	811	857	926	1041	1113	802
75°	509	551	604	723	865	540
85°	233	264	295	367	448	219
90°	149	176	203	241	276	85
95°	130	149	172	195	210	104
105°	111	122	138	153	161	116
115°	88	96	107	115	122	88
125°	65	65	76	76	80	59
135°	46	42	46	46	50	35
145°	27	23	23	23	27	17
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°	2192.3	2192.3	2192.3	2192.3	2192.3
2.5°	2192.3	2188.5	2188.5	2188.5	2192.3
5°	2180.9	2180.9	2184.7	2184.7	2188.5
7.5°	2169.4	2169.4	2177.0	2180.9	2184.7
10°	2150.2	2154.1	2165.5	2173.2	2180.9
12.5°	2127.3	2131.1	2150.2	2165.5	2173.2
15°	2096.7	2104.3	2131.1	2146.4	2157.9
17.5°	2062.2	2073.7	2104.3	2127.3	2138.8
20°	2020.2	2035.5	2073.7	2104.3	2119.6
22.5°	1974.2	1989.5	2035.5	2073.7	2092.9
25°	1920.7	1943.6	1993.4	2039.3	2058.4
27.5°	1863.3	1890.1	1947.5	2001.0	2020.2
30°	1802.1	1832.7	1897.7	1955.1	1978.1
32.5°	1744.7	1775.3	1848.0	1909.2	1932.2
35°	1675.8	1714.1	1790.6	1859.5	1886.2
37.5°	1610.8	1649.0	1729.4	1802.1	1828.9
40°	1541.9	1580.2	1664.3	1744.7	1771.5
42.5°	1476.9	1515.1	1599.3	1683.5	1714.1
45°	1404.2	1446.2	1530.4	1614.6	1649.0
47.5°	1331.5	1373.6	1461.6	1549.6	1584.0
50°	1258.8	1304.7	1388.9	1476.9	1515.1
52.5°	1186.1	1232.0	1316.2	1408.0	1446.2
55°	1113.4	1163.1	1239.6	1331.5	1377.4
57.5°	1040.7	1090.4	1166.9	1262.6	1308.5
60°	956.5	1013.9	1090.4	1189.9	1243.5
62.5°	883.8	933.6	1010.1	1113.4	1178.4
65°	811.1	857.0	925.9	1040.7	1113.4
67.5°	734.6	784.3	849.4	956.5	1056.0
70°	661.9	704.0	769.0	880.0	990.9
72.5°	585.4	627.5	688.7	803.5	925.9
75°	508.9	551.0	604.5	723.1	864.7
77.5°	440.0	474.4	524.2	639.0	792.0
80°	363.5	397.9	443.8	547.1	696.3
82.5°	294.6	325.2	363.5	455.3	573.9
85°	233.4	264.0	294.6	367.3	447.6
87.5°	187.5	210.4	241.0	294.6	348.2
90°	149.2	176.0	202.8	241.0	275.5
92.5°	137.7	160.7	183.7	214.3	237.2
95°	130.1	149.2	172.2	195.1	210.4
97.5°	122.4	141.6	160.7	183.7	195.1
100°	118.6	133.9	153.0	172.2	179.8
102.5°	114.8	126.3	145.4	160.7	172.2
105°	111.0	122.4	137.7	153.0	160.7
107.5°	103.3	114.8	130.1	145.4	153.0
110°	99.5	107.1	122.4	133.9	145.4



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	95.7	103.3	114.8	126.3	133.9
115°	88.0	95.7	107.1	114.8	122.4
117.5°	84.2	88.0	99.5	103.3	111.0
120°	76.5	80.3	91.8	95.7	99.5
122.5°	68.9	72.7	84.2	84.2	91.8
125°	65.0	65.0	76.5	76.5	80.3
127.5°	61.2	61.2	68.9	68.9	72.7
130°	53.6	53.6	61.2	61.2	61.2
132.5°	49.7	45.9	53.6	53.6	57.4
135°	45.9	42.1	45.9	45.9	49.7
137.5°	38.3	38.3	42.1	38.3	42.1
140°	34.4	30.6	34.4	34.4	38.3
142.5°	30.6	26.8	30.6	26.8	30.6
145°	26.8	23.0	23.0	23.0	26.8
147.5°	23.0	19.1	19.1	19.1	23.0
150°	19.1	15.3	15.3	15.3	19.1
152.5°	15.3	11.5	7.7	11.5	15.3
155°	11.5	11.5	3.8	7.7	11.5
157.5°	7.7	7.7	0.0	3.8	7.7
160°	3.8	3.8	0.0	3.8	3.8
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)