

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: P384651

Luminaire Tested: **22ID-65-L835-CFD3**

Issue Date: 2/25/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P384651  
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-65-L835-CFD3  
Description: 2X2 IN DEPTH TROFFER WITH 3INCH DROP CUBE LENS

Light Source: -  
Ballast/Driver: -

**Summary**

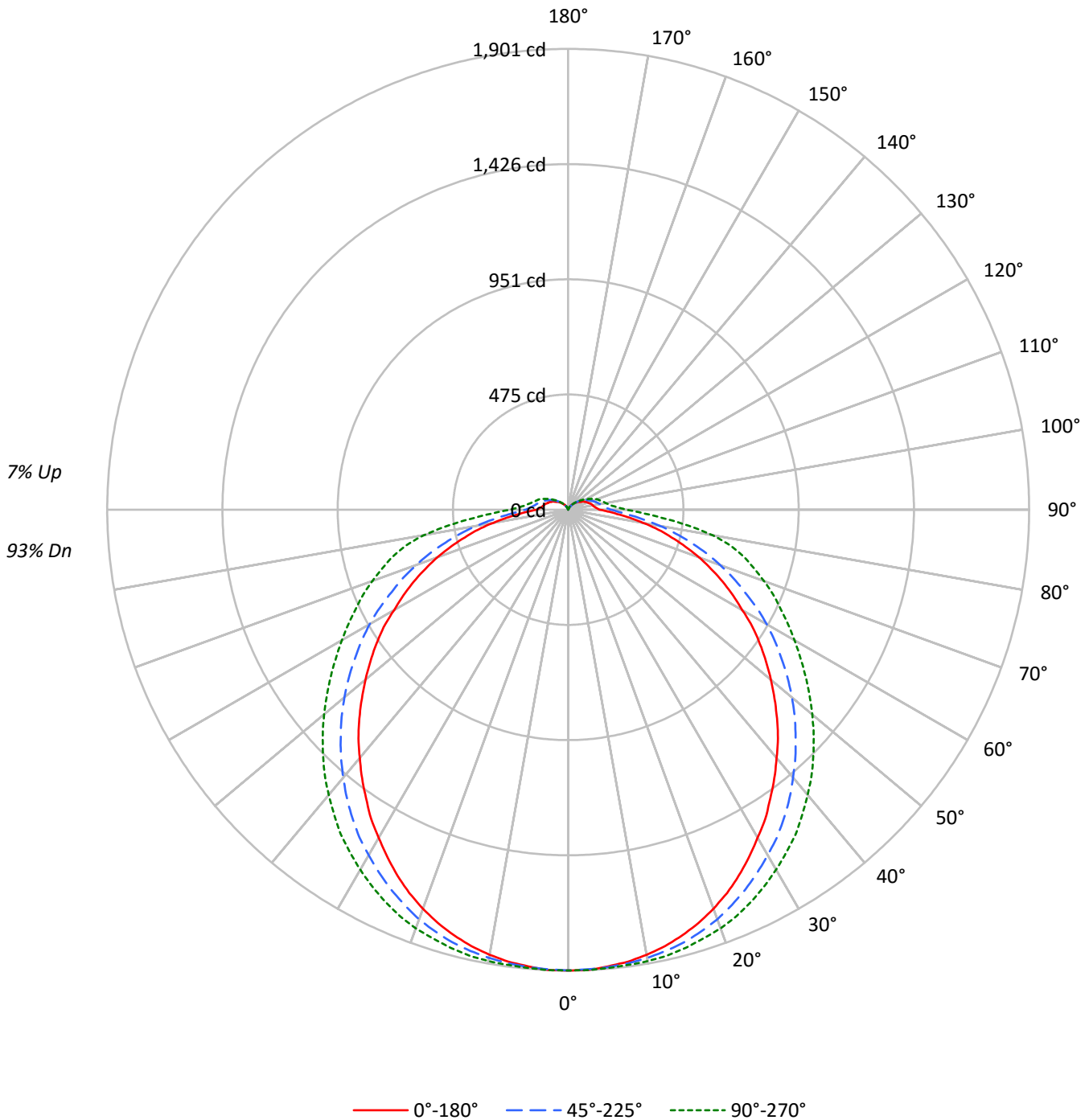
Lumens per Lamp: N/A  
Luminaire Lumens: 6651.3 lumens  
Efficiency: N/A  
Efficacy: 118.8 lumens/watt  
Spacing Criteria (0/90/45): 1.23 / 1.34 / 1.41  
Luminous Opening: Rectangular w/ Sides (W: 2' x L: 2' x H: 0.25')  
CIE Type: Direct

Input Watts (W): 56  
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°	5115	5115	5115
5°	5052	5039	5070
10°	4984	4975	5055
15°	4900	4914	5043
20°	4797	4837	5034
25°	4672	4741	5007
30°	4528	4639	4970
35°	4389	4538	4940
40°	4250	4414	4883
45°	4118	4291	4836
50°	3976	4164	4786
55°	3843	4026	4754
60°	3669	3895	4770
65°	3531	3706	4847
70°	3361	3531	5031
75°	3128	3283	5315
80°	2857	2978	5474
85°	2572	2611	4934



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	180.2	2.7
10°-20°	520.8	7.8
20°-30°	795.7	12.0
30°-40°	968.6	14.6
40°-50°	1023.7	15.4
50°-60°	966.3	14.5
60°-70°	813.0	12.2
70°-80°	586.1	8.8
80°-90°	309.1	4.6
90°-100°	165.5	2.5
100°-110°	125.7	1.9
110°-120°	91.1	1.4
120°-130°	57.2	0.9
130°-140°	30.9	0.5
140°-150°	13.5	0.2
150°-160°	3.6	0.1
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-30°	1496.7	22.5
0°-40°	2465.3	37.1
0°-60°	4455.4	67.0
0°-90°	6163.6	92.7
90°-120°	382.3	5.7
90°-150°	483.9	7.3
90°-180°	488.0	7.3
0°-180°	6651.3	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1901	1901	1901	1901	1901	
5°	1891	1891	1894	1894	1897	180
15°	1818	1824	1848	1861	1871	513
25°	1665	1685	1728	1768	1785	767
35°	1453	1486	1552	1612	1635	910
45°	1217	1254	1327	1400	1430	940
55°	965	1008	1075	1154	1194	863
65°	703	743	803	902	965	695
75°	441	478	524	627	750	468
85°	202	229	255	318	388	190
90°	129	153	176	209	239	74
95°	113	129	149	169	182	90
105°	96	106	119	133	139	101
115°	76	83	93	100	106	77
125°	56	56	66	66	70	51
135°	40	36	40	40	43	30
145°	23	20	20	20	23	15
155°	10	10	3	7	10	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°	1900.7	1900.7	1900.7	1900.7	1900.7
2.5°	1900.7	1897.4	1897.4	1897.4	1900.7
5°	1890.8	1890.8	1894.1	1894.1	1897.4
7.5°	1880.8	1880.8	1887.4	1890.8	1894.1
10°	1864.2	1867.5	1877.5	1884.1	1890.8
12.5°	1844.3	1847.6	1864.2	1877.5	1884.1
15°	1817.8	1824.4	1847.6	1860.9	1870.9
17.5°	1787.9	1797.9	1824.4	1844.3	1854.3
20°	1751.4	1764.7	1797.9	1824.4	1837.7
22.5°	1711.6	1724.9	1764.7	1797.9	1814.5
25°	1665.2	1685.1	1728.2	1768.0	1784.6
27.5°	1615.4	1638.7	1688.4	1734.9	1751.4
30°	1562.4	1588.9	1645.3	1695.0	1714.9
32.5°	1512.6	1539.1	1602.2	1655.2	1675.1
35°	1452.9	1486.1	1552.4	1612.1	1635.3
37.5°	1396.5	1429.7	1499.3	1562.4	1585.6
40°	1336.8	1370.0	1442.9	1512.6	1535.8
42.5°	1280.4	1313.6	1386.6	1459.5	1486.1
45°	1217.4	1253.9	1326.8	1399.8	1429.7
47.5°	1154.4	1190.8	1267.1	1343.4	1373.3
50°	1091.3	1131.1	1204.1	1280.4	1313.6
52.5°	1028.3	1068.1	1141.1	1220.7	1253.9
55°	965.3	1008.4	1074.7	1154.4	1194.2
57.5°	902.3	945.4	1011.7	1094.6	1134.5
60°	829.3	879.0	945.4	1031.6	1078.1
62.5°	766.3	809.4	875.7	965.3	1021.7
65°	703.2	743.0	802.7	902.3	965.3
67.5°	636.9	680.0	736.4	829.3	915.5
70°	573.9	610.3	666.7	762.9	859.1
72.5°	507.5	544.0	597.1	696.6	802.7
75°	441.2	477.7	524.1	626.9	749.7
77.5°	381.5	411.3	454.4	554.0	686.6
80°	315.1	345.0	384.8	474.3	603.7
82.5°	255.4	282.0	315.1	394.7	497.6
85°	202.3	228.9	255.4	318.4	388.1
87.5°	162.5	182.4	209.0	255.4	301.9
90°	129.4	152.6	175.8	209.0	238.8
92.5°	119.4	139.3	159.2	185.8	205.7
95°	112.8	129.4	149.3	169.2	182.4
97.5°	106.1	122.7	139.3	159.2	169.2
100°	102.8	116.1	132.7	149.3	155.9
102.5°	99.5	109.5	126.1	139.3	149.3
105°	96.2	106.1	119.4	132.7	139.3
107.5°	89.6	99.5	112.8	126.1	132.7
110°	86.2	92.9	106.1	116.1	126.1



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	82.9	89.6	99.5	109.5	116.1
115°	76.3	82.9	92.9	99.5	106.1
117.5°	73.0	76.3	86.2	89.6	96.2
120°	66.3	69.7	79.6	82.9	86.2
122.5°	59.7	63.0	73.0	73.0	79.6
125°	56.4	56.4	66.3	66.3	69.7
127.5°	53.1	53.1	59.7	59.7	63.0
130°	46.4	46.4	53.1	53.1	53.1
132.5°	43.1	39.8	46.4	46.4	49.8
135°	39.8	36.5	39.8	39.8	43.1
137.5°	33.2	33.2	36.5	33.2	36.5
140°	29.9	26.5	29.9	29.9	33.2
142.5°	26.5	23.2	26.5	23.2	26.5
145°	23.2	19.9	19.9	19.9	23.2
147.5°	19.9	16.6	16.6	16.6	19.9
150°	16.6	13.3	13.3	13.3	16.6
152.5°	13.3	10.0	6.6	10.0	13.3
155°	10.0	10.0	3.3	6.6	10.0
157.5°	6.6	6.6	0.0	3.3	6.6
160°	3.3	3.3	0.0	3.3	3.3
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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