

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: P384667

Luminaire Tested: **22ID-85-L835-CFD3**

Issue Date: 2/25/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P384667  
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-85-L835-CFD3  
Description: 2X2 IN DEPTH TROFFER WITH 3INCH DROP CUBE LENS

Light Source: -  
Ballast/Driver: -

**Summary**

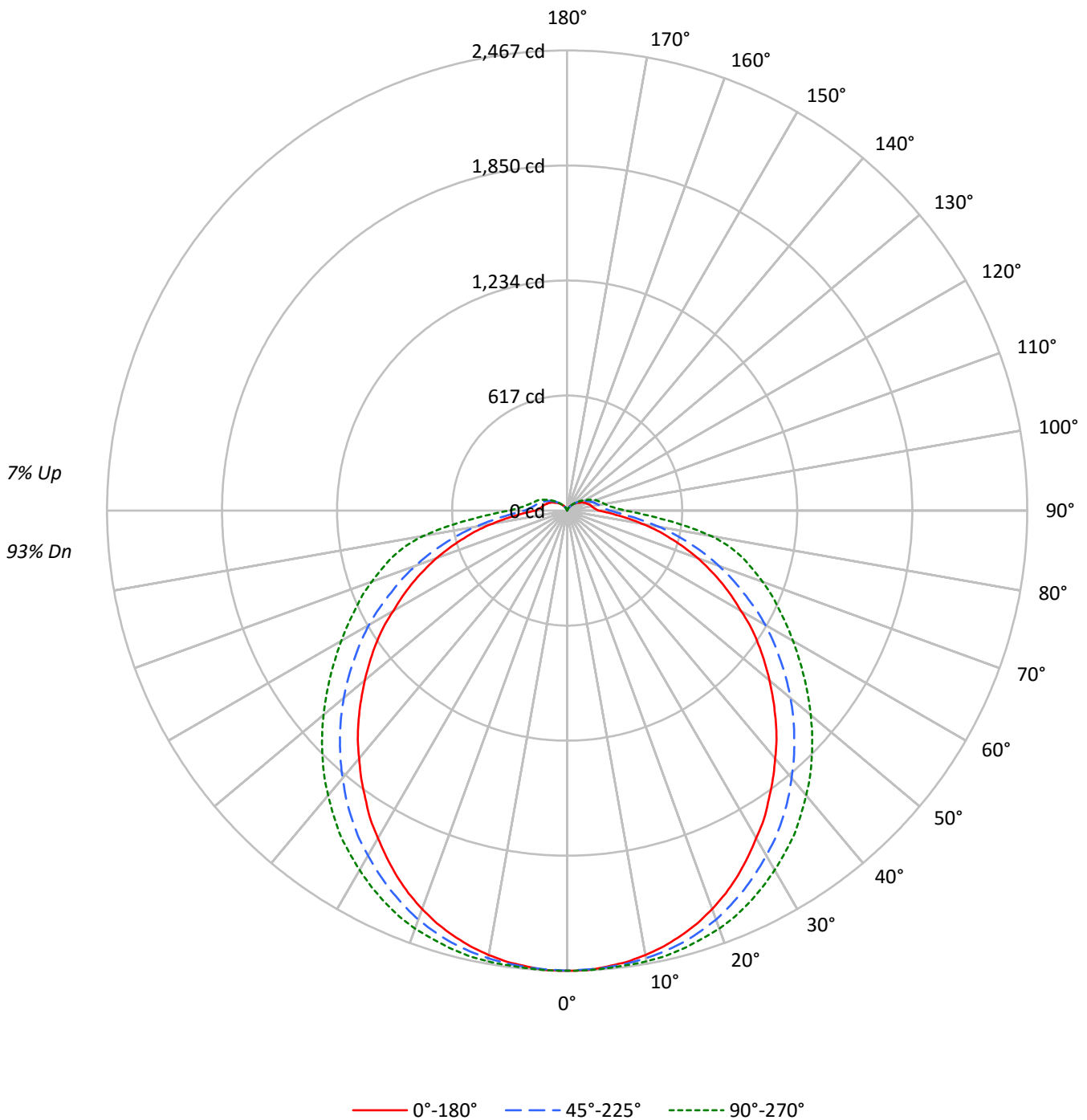
Lumens per Lamp: N/A  
Luminaire Lumens: 8632.0 lumens  
Efficiency: N/A  
Efficacy: 112.4 lumens/watt  
Spacing Criteria (0/90/45): 1.23 / 1.34 / 1.41  
Luminous Opening: Rectangular w/ Sides (W: 2' x L: 2' x H: 0.25')  
CIE Type: Direct

Input Watts (W): 76.8  
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°	6638	6638	6638
5°	6557	6539	6580
10°	6468	6457	6560
15°	6359	6378	6545
20°	6226	6278	6532
25°	6063	6152	6498
30°	5876	6020	6450
35°	5696	5889	6411
40°	5516	5728	6337
45°	5344	5569	6276
50°	5160	5404	6211
55°	4987	5225	6170
60°	4761	5055	6190
65°	4582	4810	6290
70°	4362	4582	6530
75°	4060	4261	6898
80°	3709	3865	7105
85°	3338	3389	6403



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	233.9	2.7
10°-20°	675.9	7.8
20°-30°	1032.7	12.0
30°-40°	1257.0	14.6
40°-50°	1328.6	15.4
50°-60°	1254.1	14.5
60°-70°	1055.1	12.2
70°-80°	760.7	8.8
80°-90°	401.2	4.6
90°-100°	214.7	2.5
100°-110°	163.1	1.9
110°-120°	118.3	1.4
120°-130°	74.3	0.9
130°-140°	40.1	0.5
140°-150°	17.5	0.2
150°-160°	4.7	0.1
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-30°	1942.4	22.5
0°-40°	3199.4	37.1
0°-60°	5782.1	67.0
0°-90°	7999.1	92.7
90°-120°	496.1	5.7
90°-150°	628.0	7.3
90°-180°	633.0	7.3
0°-180°	8632.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	2467	2467	2467	2467	2467	
5°	2454	2454	2458	2458	2462	233
15°	2359	2368	2398	2415	2428	665
25°	2161	2187	2243	2294	2316	995
35°	1886	1929	2015	2092	2122	1181
45°	1580	1627	1722	1817	1855	1219
55°	1253	1309	1395	1498	1550	1120
65°	913	964	1042	1171	1253	902
75°	573	620	680	814	973	608
85°	263	297	332	413	504	246
90°	168	198	228	271	310	96
95°	146	168	194	220	237	117
105°	125	138	155	172	181	130
115°	99	108	120	129	138	99
125°	73	73	86	86	90	66
135°	52	47	52	52	56	39
145°	30	26	26	26	30	19
155°	13	13	4	9	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°	2466.7	2466.7	2466.7	2466.7	2466.7
2.5°	2466.7	2462.4	2462.4	2462.4	2466.7
5°	2453.8	2453.8	2458.1	2458.1	2462.4
7.5°	2440.9	2440.9	2449.5	2453.8	2458.1
10°	2419.4	2423.7	2436.6	2445.2	2453.8
12.5°	2393.5	2397.8	2419.4	2436.6	2445.2
15°	2359.1	2367.7	2397.8	2415.1	2428.0
17.5°	2320.4	2333.3	2367.7	2393.5	2406.5
20°	2273.0	2290.2	2333.3	2367.7	2384.9
22.5°	2221.3	2238.6	2290.2	2333.3	2354.8
25°	2161.1	2186.9	2242.9	2294.5	2316.0
27.5°	2096.5	2126.6	2191.2	2251.5	2273.0
30°	2027.6	2062.1	2135.2	2199.8	2225.6
32.5°	1963.0	1997.5	2079.3	2148.2	2174.0
35°	1885.6	1928.6	2014.7	2092.2	2122.3
37.5°	1812.4	1855.4	1945.8	2027.6	2057.8
40°	1734.9	1777.9	1872.6	1963.0	1993.2
42.5°	1661.7	1704.7	1799.5	1894.2	1928.6
45°	1579.9	1627.3	1722.0	1816.7	1855.4
47.5°	1498.1	1545.5	1644.5	1743.5	1782.2
50°	1416.3	1468.0	1562.7	1661.7	1704.7
52.5°	1334.5	1386.2	1480.9	1584.2	1627.3
55°	1252.7	1308.7	1394.8	1498.1	1549.8
57.5°	1170.9	1226.9	1313.0	1420.6	1472.3
60°	1076.2	1140.8	1226.9	1338.8	1399.1
62.5°	994.4	1050.4	1136.5	1252.7	1325.9
65°	912.6	964.3	1041.8	1170.9	1252.7
67.5°	826.5	882.5	955.7	1076.2	1188.2
70°	744.8	792.1	865.3	990.1	1115.0
72.5°	658.7	706.0	774.9	904.0	1041.8
75°	572.6	619.9	680.2	813.6	972.9
77.5°	495.1	533.8	589.8	718.9	891.1
80°	409.0	447.7	499.4	615.6	783.5
82.5°	331.5	365.9	409.0	512.3	645.7
85°	262.6	297.0	331.5	413.3	503.7
87.5°	210.9	236.8	271.2	331.5	391.7
90°	167.9	198.0	228.2	271.2	310.0
92.5°	155.0	180.8	206.6	241.1	266.9
95°	146.4	167.9	193.7	219.6	236.8
97.5°	137.8	159.3	180.8	206.6	219.6
100°	133.5	150.7	172.2	193.7	202.3
102.5°	129.1	142.1	163.6	180.8	193.7
105°	124.8	137.8	155.0	172.2	180.8
107.5°	116.2	129.1	146.4	163.6	172.2
110°	111.9	120.5	137.8	150.7	163.6



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	107.6	116.2	129.1	142.1	150.7
115°	99.0	107.6	120.5	129.1	137.8
117.5°	94.7	99.0	111.9	116.2	124.8
120°	86.1	90.4	103.3	107.6	111.9
122.5°	77.5	81.8	94.7	94.7	103.3
125°	73.2	73.2	86.1	86.1	90.4
127.5°	68.9	68.9	77.5	77.5	81.8
130°	60.3	60.3	68.9	68.9	68.9
132.5°	56.0	51.7	60.3	60.3	64.6
135°	51.7	47.4	51.7	51.7	56.0
137.5°	43.0	43.0	47.4	43.0	47.4
140°	38.7	34.4	38.7	38.7	43.0
142.5°	34.4	30.1	34.4	30.1	34.4
145°	30.1	25.8	25.8	25.8	30.1
147.5°	25.8	21.5	21.5	21.5	25.8
150°	21.5	17.2	17.2	17.2	21.5
152.5°	17.2	12.9	8.6	12.9	17.2
155°	12.9	12.9	4.3	8.6	12.9
157.5°	8.6	8.6	0.0	4.3	8.6
160°	4.3	4.3	0.0	4.3	4.3
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

(END OF REPORT)