

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: P384299

Luminaire Tested: **22ID-45-L835-CFD2**

Issue Date: 2/25/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P384299  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1911-572-68)  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 2/25/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: 22ID-45-L835-CFD2  
Description: 2X2 IN DEPTH TROFFER WITH 2INCH DROP CUBE LENS

Light Source: -  
Ballast/Driver: -

**Summary**

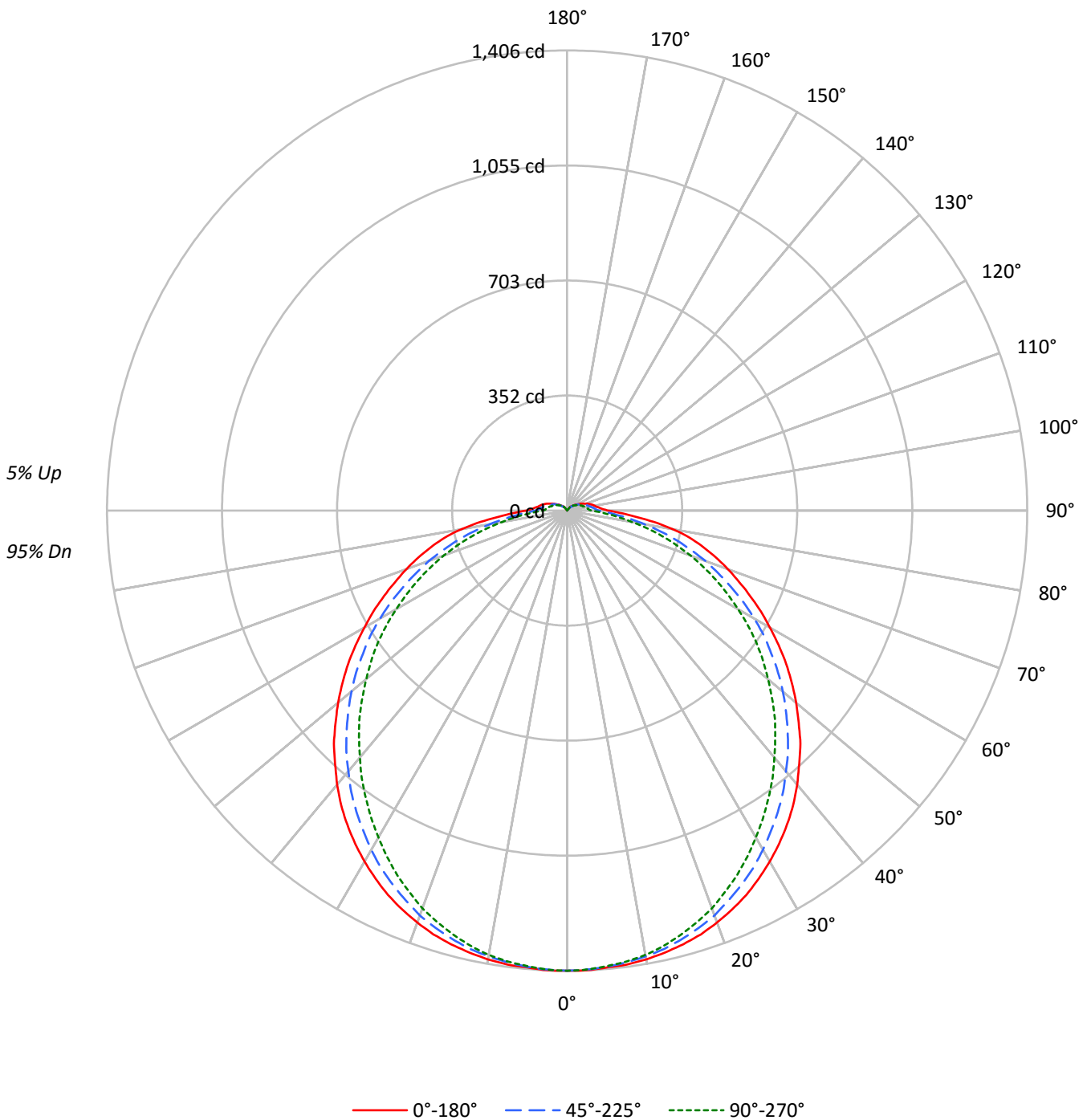
Lumens per Lamp: N/A  
Luminaire Lumens: 4560.4 lumens  
Efficiency: N/A  
Efficacy: 122.6 lumens/watt  
Spacing Criteria (0/90/45): 1.31 / 1.22 / 1.38  
Luminous Opening: Rectangular w/ Sides (W: 2' x L: 2' x H: 0.17')  
CIE Type: Direct

Input Watts (W): 37.2  
Input Voltage (V): NR  
Input Current (Ain): 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	118	118	118	118	114	114	114	114	108	108	108	102	102	102	97	97	97	95
1	106	101	96	92	103	98	94	90	93	90	86	88	85	83	84	81	79	77
2	96	87	80	74	93	85	78	73	81	75	70	77	72	68	73	69	66	63
3	87	76	68	61	84	74	67	60	71	64	58	67	62	57	64	59	55	53
4	80	68	58	51	77	66	57	51	63	55	50	60	53	48	57	51	47	45
5	73	60	51	44	71	59	50	44	56	48	43	53	47	42	51	45	41	38
6	68	54	45	38	65	53	44	38	50	43	37	48	42	36	46	40	36	33
7	63	49	40	34	61	48	39	33	46	38	33	44	37	32	42	36	32	30
8	58	45	36	30	56	44	35	30	42	35	29	40	34	29	39	33	28	26
9	54	41	33	27	53	40	32	27	39	31	26	37	31	26	36	30	25	24
10	51	38	30	24	50	37	29	24	36	29	24	34	28	23	33	27	23	21

**AVERAGE LUMINANCE (cd/sqm):**

	0°	45°	90°
0°	3784	3784	3784
5°	3758	3741	3746
10°	3749	3702	3712
15°	3738	3661	3656
20°	3723	3614	3595
25°	3703	3549	3512
30°	3671	3482	3418
35°	3636	3408	3329
40°	3589	3325	3234
45°	3541	3243	3153
50°	3479	3159	3050
55°	3425	3059	2962
60°	3366	2952	2836
65°	3331	2807	2710
70°	3344	2667	2563
75°	3413	2476	2373
80°	3463	2223	2131
85°	3275	1998	1966



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	133.1	2.9
10°-20°	382.7	8.4
20°-30°	581.2	12.7
30°-40°	702.1	15.4
40°-50°	734.8	16.1
50°-60°	681.8	15.0
60°-70°	552.3	12.1
70°-80°	372.7	8.2
80°-90°	180.1	3.9
90°-100°	90.6	2.0
100°-110°	65.8	1.4
110°-120°	44.0	1.0
120°-130°	25.5	0.6
130°-140°	12.9	0.3
140°-150°	1.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	1097.0	24.1
0°-40°	1799.0	39.4
0°-60°	3215.7	70.5
0°-90°	4320.7	94.7
90°-120°	200.4	4.4
90°-150°	239.7	5.3
90°-180°	240.0	5.3
0°-180°	4560.4	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1406	1406	1406	1406	1406	
5°	1402	1399	1399	1397	1397	134
15°	1372	1365	1356	1346	1342	387
25°	1296	1284	1261	1238	1229	597
35°	1171	1155	1123	1088	1072	733
45°	1008	990	953	914	898	776
55°	817	798	762	725	706	730
65°	617	594	552	522	502	612
75°	430	387	343	318	299	453
85°	207	180	152	138	124	196
90°	124	113	97	87	74	71
95°	99	92	83	74	64	78
105°	74	69	62	55	51	79
115°	51	46	46	39	39	50
125°	32	28	30	25	28	28
135°	18	16	16	16	18	14
145°	0	0	0	0	0	1
155°	0	0	0	0	0	0
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°	1406.1	1406.1	1406.1	1406.1	1406.1
2.5°	1406.1	1403.8	1403.8	1403.8	1403.8
5°	1401.5	1399.2	1399.2	1396.9	1396.9
7.5°	1399.2	1394.6	1392.3	1390.0	1390.0
10°	1392.3	1387.7	1383.1	1378.5	1378.5
12.5°	1383.1	1378.5	1371.6	1362.4	1362.4
15°	1371.6	1364.7	1355.5	1346.3	1341.7
17.5°	1357.8	1350.9	1337.0	1323.2	1318.6
20°	1339.4	1330.1	1316.3	1297.9	1293.3
22.5°	1318.6	1309.4	1288.7	1270.3	1261.1
25°	1295.6	1284.1	1261.1	1238.1	1228.9
27.5°	1268.0	1256.5	1231.2	1203.6	1192.1
30°	1238.1	1224.3	1196.7	1166.8	1152.9
32.5°	1205.9	1189.8	1159.8	1127.6	1113.8
35°	1171.4	1155.2	1123.0	1088.5	1072.4
37.5°	1134.5	1118.4	1083.9	1047.1	1031.0
40°	1093.1	1077.0	1040.2	1003.4	985.0
42.5°	1049.4	1035.6	998.8	959.6	941.2
45°	1008.0	989.6	952.7	913.6	897.5
47.5°	959.6	945.8	906.7	867.6	849.2
50°	913.6	897.5	860.7	821.6	800.8
52.5°	865.3	851.5	812.4	773.2	754.8
55°	817.0	798.5	761.7	724.9	706.5
57.5°	766.3	750.2	713.4	678.9	655.9
60°	715.7	699.6	660.5	628.3	602.9
62.5°	667.4	649.0	607.5	573.0	552.3
65°	616.7	593.7	552.3	522.4	501.7
67.5°	568.4	540.8	499.4	471.8	451.1
70°	522.4	490.2	448.8	421.1	400.4
72.5°	476.4	437.2	393.5	368.2	349.8
75°	430.3	386.6	342.9	317.6	299.2
77.5°	384.3	333.7	290.0	269.3	250.8
80°	329.1	280.8	239.3	220.9	202.5
82.5°	266.9	227.8	193.3	174.9	161.1
85°	207.1	179.5	151.9	138.1	124.3
87.5°	161.1	140.4	119.7	108.2	96.7
90°	124.3	112.8	96.7	87.4	73.6
92.5°	108.2	99.0	87.4	78.2	66.7
95°	99.0	92.1	82.8	73.6	64.4
97.5°	89.8	85.1	75.9	69.0	59.8
100°	85.1	78.2	71.3	64.4	57.5
102.5°	80.5	73.6	66.7	59.8	55.2
105°	73.6	69.0	62.1	55.2	50.6
107.5°	69.0	62.1	57.5	50.6	48.3
110°	62.1	57.5	52.9	48.3	46.0



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	55.2	52.9	48.3	43.7	41.4
115°	50.6	46.0	46.0	39.1	39.1
117.5°	46.0	41.4	41.4	36.8	36.8
120°	39.1	36.8	36.8	32.2	32.2
122.5°	34.5	32.2	32.2	29.9	29.9
125°	32.2	27.6	29.9	25.3	27.6
127.5°	27.6	25.3	25.3	23.0	25.3
130°	23.0	20.7	20.7	20.7	23.0
132.5°	20.7	18.4	18.4	18.4	20.7
135°	18.4	16.1	16.1	16.1	18.4
137.5°	16.1	13.8	11.5	13.8	16.1
140°	13.8	11.5	9.2	11.5	13.8
142.5°	0.0	0.0	0.0	0.0	0.0
145°	0.0	0.0	0.0	0.0	0.0
147.5°	0.0	0.0	0.0	0.0	0.0
150°	0.0	0.0	0.0	0.0	0.0
152.5°	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.0	0.0	0.0	0.0
157.5°	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0
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)