

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: P384647

Luminaire Tested: **22ID-60-L835-CFD3**

Issue Date: 2/25/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P384647  
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-60-L835-CFD3  
Description: 2X2 IN DEPTH TROFFER WITH 3INCH DROP CUBE LENS

Light Source: -  
Ballast/Driver: -

**Summary**

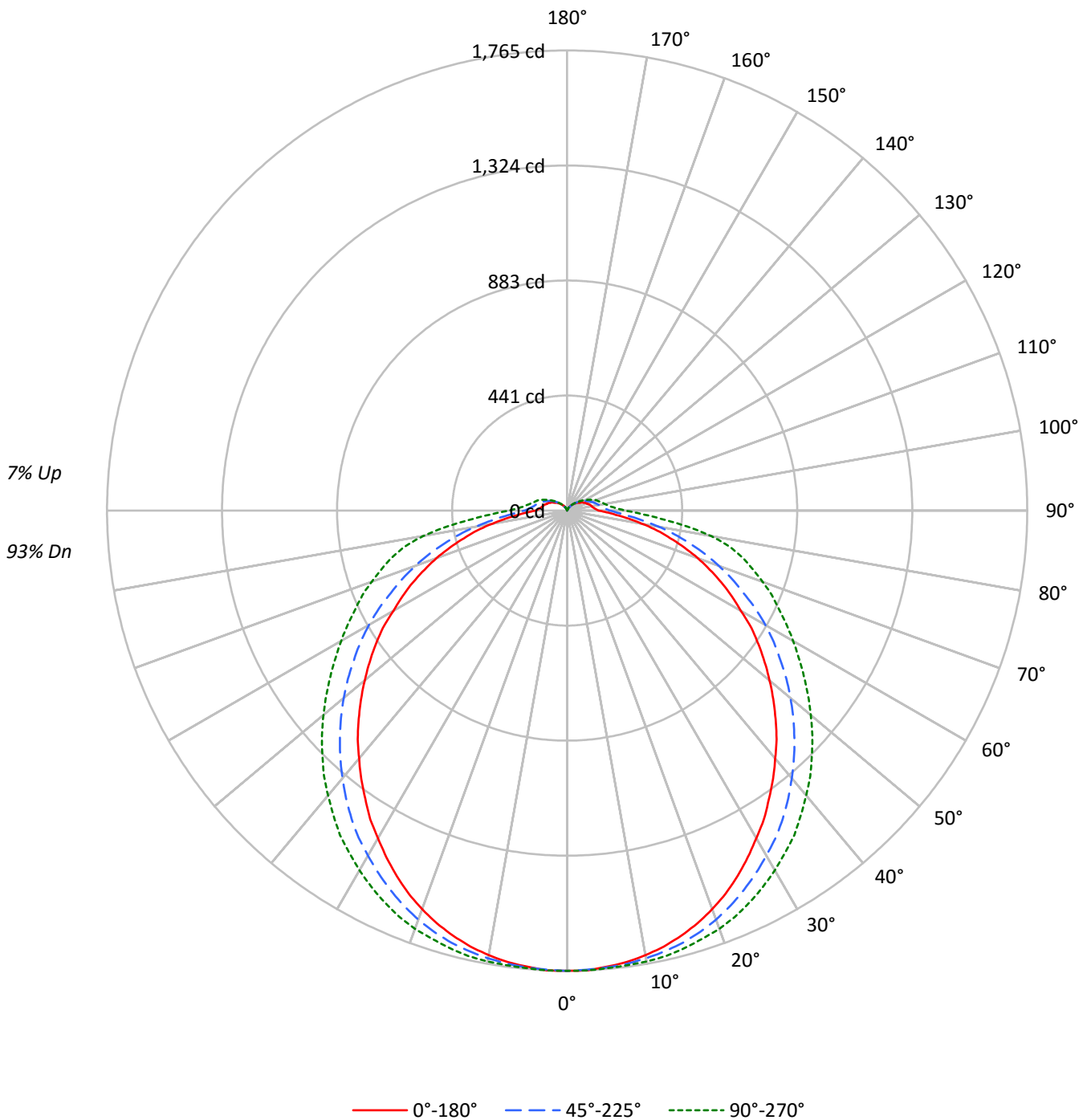
Lumens per Lamp: N/A  
Luminaire Lumens: 6177.8 lumens  
Efficiency: N/A  
Efficacy: 121.4 lumens/watt  
Spacing Criteria (0/90/45): 1.23 / 1.34 / 1.41  
Luminous Opening: Rectangular w/ Sides (W: 2' x L: 2' x H: 0.25')  
CIE Type: Direct

Input Watts (W): 50.9  
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°	4751	4751	4751
5°	4693	4680	4709
10°	4629	4621	4695
15°	4551	4565	4684
20°	4456	4493	4675
25°	4339	4403	4651
30°	4205	4309	4616
35°	4076	4215	4588
40°	3947	4100	4535
45°	3825	3986	4492
50°	3693	3867	4446
55°	3569	3739	4415
60°	3407	3618	4430
65°	3280	3442	4502
70°	3122	3280	4674
75°	2905	3049	4937
80°	2654	2766	5085
85°	2389	2425	4583



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	167.4	2.7
10°-20°	483.7	7.8
20°-30°	739.1	12.0
30°-40°	899.6	14.6
40°-50°	950.9	15.4
50°-60°	897.6	14.5
60°-70°	755.1	12.2
70°-80°	544.4	8.8
80°-90°	287.1	4.6
90°-100°	153.7	2.5
100°-110°	116.7	1.9
110°-120°	84.7	1.4
120°-130°	53.2	0.9
130°-140°	28.7	0.5
140°-150°	12.5	0.2
150°-160°	3.4	0.1
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-30°	1390.2	22.5
0°-40°	2289.8	37.1
0°-60°	4138.2	67.0
0°-90°	5724.9	92.7
90°-120°	355.0	5.7
90°-150°	449.5	7.3
90°-180°	453.0	7.3
0°-180°	6177.8	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1765	1765	1765	1765	1765	
5°	1756	1756	1759	1759	1762	167
15°	1688	1694	1716	1728	1738	476
25°	1547	1565	1605	1642	1658	712
35°	1350	1380	1442	1497	1519	845
45°	1131	1165	1232	1300	1328	873
55°	897	937	998	1072	1109	801
65°	653	690	746	838	897	646
75°	410	444	487	582	696	435
85°	188	213	237	296	360	176
90°	120	142	163	194	222	69
95°	105	120	139	157	170	84
105°	89	99	111	123	129	93
115°	71	77	86	92	99	71
125°	52	52	62	62	65	47
135°	37	34	37	37	40	28
145°	22	18	18	18	22	14
155°	9	9	3	6	9	4
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°	1765.4	1765.4	1765.4	1765.4	1765.4
2.5°	1765.4	1762.3	1762.3	1762.3	1765.4
5°	1756.2	1756.2	1759.2	1759.2	1762.3
7.5°	1746.9	1746.9	1753.1	1756.2	1759.2
10°	1731.5	1734.6	1743.8	1750.0	1756.2
12.5°	1713.0	1716.1	1731.5	1743.8	1750.0
15°	1688.4	1694.5	1716.1	1728.4	1737.7
17.5°	1660.6	1669.9	1694.5	1713.0	1722.3
20°	1626.8	1639.1	1669.9	1694.5	1706.9
22.5°	1589.8	1602.1	1639.1	1669.9	1685.3
25°	1546.6	1565.1	1605.2	1642.2	1657.6
27.5°	1500.4	1522.0	1568.2	1611.3	1626.8
30°	1451.1	1475.8	1528.2	1574.4	1592.9
32.5°	1404.9	1429.6	1488.1	1537.4	1555.9
35°	1349.5	1380.3	1441.9	1497.4	1518.9
37.5°	1297.1	1327.9	1392.6	1451.1	1472.7
40°	1241.6	1272.4	1340.2	1404.9	1426.5
42.5°	1189.3	1220.1	1287.8	1355.6	1380.3
45°	1130.7	1164.6	1232.4	1300.2	1327.9
47.5°	1072.2	1106.1	1176.9	1247.8	1275.5
50°	1013.6	1050.6	1118.4	1189.3	1220.1
52.5°	955.1	992.1	1059.9	1133.8	1164.6
55°	896.6	936.6	998.2	1072.2	1109.1
57.5°	838.0	878.1	939.7	1016.7	1053.7
60°	770.2	816.5	878.1	958.2	1001.3
62.5°	711.7	751.8	813.4	896.6	948.9
65°	653.2	690.1	745.6	838.0	896.6
67.5°	591.5	631.6	684.0	770.2	850.3
70°	533.0	566.9	619.3	708.6	798.0
72.5°	471.4	505.3	554.6	647.0	745.6
75°	409.8	443.7	486.8	582.3	696.3
77.5°	354.3	382.0	422.1	514.5	637.8
80°	292.7	320.4	357.4	440.6	560.7
82.5°	237.2	261.9	292.7	366.6	462.1
85°	187.9	212.6	237.2	295.8	360.5
87.5°	151.0	169.5	194.1	237.2	280.4
90°	120.2	141.7	163.3	194.1	221.8
92.5°	110.9	129.4	147.9	172.5	191.0
95°	104.8	120.2	138.6	157.1	169.5
97.5°	98.6	114.0	129.4	147.9	157.1
100°	95.5	107.8	123.2	138.6	144.8
102.5°	92.4	101.7	117.1	129.4	138.6
105°	89.3	98.6	110.9	123.2	129.4
107.5°	83.2	92.4	104.8	117.1	123.2
110°	80.1	86.3	98.6	107.8	117.1



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	77.0	83.2	92.4	101.7	107.8
115°	70.9	77.0	86.3	92.4	98.6
117.5°	67.8	70.9	80.1	83.2	89.3
120°	61.6	64.7	73.9	77.0	80.1
122.5°	55.5	58.5	67.8	67.8	73.9
125°	52.4	52.4	61.6	61.6	64.7
127.5°	49.3	49.3	55.5	55.5	58.5
130°	43.1	43.1	49.3	49.3	49.3
132.5°	40.1	37.0	43.1	43.1	46.2
135°	37.0	33.9	37.0	37.0	40.1
137.5°	30.8	30.8	33.9	30.8	33.9
140°	27.7	24.6	27.7	27.7	30.8
142.5°	24.6	21.6	24.6	21.6	24.6
145°	21.6	18.5	18.5	18.5	21.6
147.5°	18.5	15.4	15.4	15.4	18.5
150°	15.4	12.3	12.3	12.3	15.4
152.5°	12.3	9.2	6.2	9.2	12.3
155°	9.2	9.2	3.1	6.2	9.2
157.5°	6.2	6.2	0.0	3.1	6.2
160°	3.1	3.1	0.0	3.1	3.1
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)