

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: P384310

Luminaire Tested: **22ID-60-L830-CFD2**

Issue Date: 2/25/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P384310  
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-60-L830-CFD2  
Description: 2X2 IN DEPTH TROFFER WITH 2INCH DROP CUBE LENS

Light Source: -  
Ballast/Driver: -

**Summary**

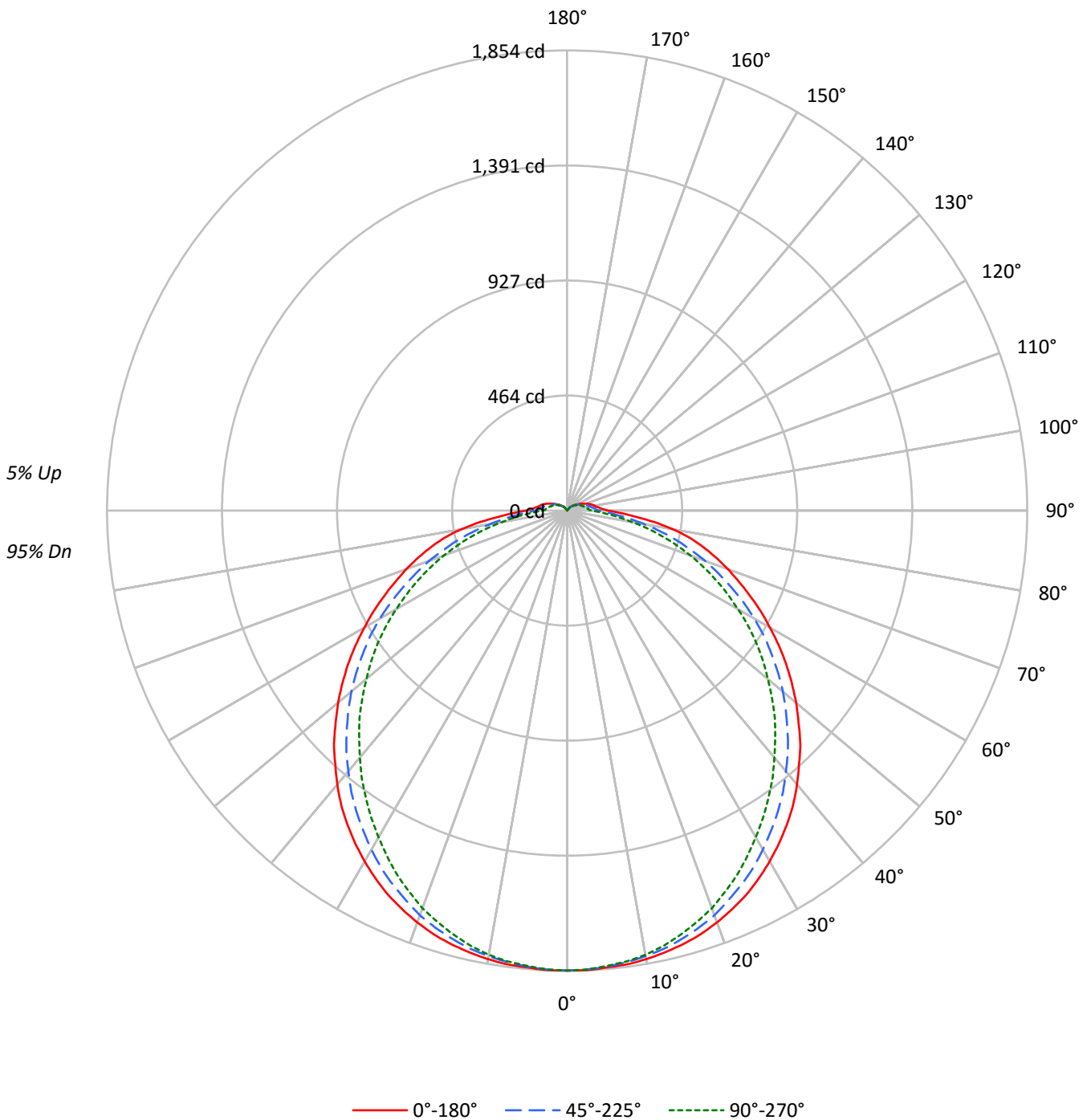
Lumens per Lamp: N/A  
Luminaire Lumens: 6011.5 lumens  
Efficiency: N/A  
Efficacy: 118.1 lumens/watt  
Spacing Criteria (0/90/45): 1.31 / 1.22 / 1.38  
Luminous Opening: Rectangular w/ Sides (W: 2' x L: 2' x H: 0.17')  
CIE Type: Direct

Input Watts (W): 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	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°	4988	4988	4988
5°	4954	4931	4938
10°	4942	4880	4893
15°	4927	4825	4819
20°	4907	4765	4738
25°	4881	4679	4630
30°	4838	4589	4506
35°	4793	4492	4388
40°	4731	4383	4263
45°	4668	4276	4156
50°	4586	4165	4020
55°	4515	4032	3905
60°	4437	3891	3738
65°	4392	3700	3572
70°	4408	3516	3379
75°	4499	3264	3128
80°	4565	2931	2809
85°	4317	2634	2590



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	175.4	2.9
10°-20°	504.4	8.4
20°-30°	766.2	12.7
30°-40°	925.4	15.4
40°-50°	968.6	16.1
50°-60°	898.8	15.0
60°-70°	728.0	12.1
70°-80°	491.3	8.2
80°-90°	237.3	3.9
90°-100°	119.4	2.0
100°-110°	86.8	1.4
110°-120°	58.0	1.0
120°-130°	33.6	0.6
130°-140°	17.0	0.3
140°-150°	1.3	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	1446.0	24.1
0°-40°	2371.4	39.4
0°-60°	4238.8	70.5
0°-90°	5695.4	94.7
90°-120°	264.2	4.4
90°-150°	316.1	5.3
90°-180°	316.0	5.3
0°-180°	6011.5	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1854	1854	1854	1854	1854	
5°	1847	1844	1844	1841	1841	176
15°	1808	1799	1787	1775	1768	511
25°	1708	1693	1662	1632	1620	787
35°	1544	1523	1480	1435	1414	966
45°	1329	1304	1256	1204	1183	1024
55°	1077	1053	1004	956	931	963
65°	813	783	728	689	661	807
75°	567	510	452	419	394	598
85°	273	237	200	182	164	258
90°	164	149	127	115	97	94
95°	130	121	109	97	85	102
105°	97	91	82	73	67	104
115°	67	61	61	52	52	66
125°	42	36	39	33	36	37
135°	24	21	21	21	24	19
145°	0	0	0	0	0	2
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°	1853.5	1853.5	1853.5	1853.5	1853.5
2.5°	1853.5	1850.4	1850.4	1850.4	1850.4
5°	1847.4	1844.4	1844.4	1841.3	1841.3
7.5°	1844.4	1838.3	1835.3	1832.2	1832.2
10°	1835.3	1829.2	1823.1	1817.1	1817.1
12.5°	1823.1	1817.1	1808.0	1795.8	1795.8
15°	1808.0	1798.9	1786.7	1774.6	1768.5
17.5°	1789.8	1780.7	1762.5	1744.3	1738.2
20°	1765.5	1753.4	1735.2	1710.9	1704.8
22.5°	1738.2	1726.1	1698.8	1674.5	1662.3
25°	1707.9	1692.7	1662.3	1632.0	1619.9
27.5°	1671.4	1656.3	1622.9	1586.5	1571.3
30°	1632.0	1613.8	1577.4	1538.0	1519.8
32.5°	1589.5	1568.3	1528.9	1486.4	1468.2
35°	1544.0	1522.8	1480.3	1434.8	1413.6
37.5°	1495.5	1474.3	1428.8	1380.2	1359.0
40°	1440.9	1419.7	1371.1	1322.6	1298.3
42.5°	1383.3	1365.1	1316.5	1265.0	1240.7
45°	1328.7	1304.4	1255.9	1204.3	1183.1
47.5°	1265.0	1246.8	1195.2	1143.6	1119.4
50°	1204.3	1183.1	1134.5	1083.0	1055.7
52.5°	1140.6	1122.4	1070.8	1019.3	995.0
55°	1076.9	1052.6	1004.1	955.5	931.3
57.5°	1010.2	988.9	940.4	894.9	864.5
60°	943.4	922.2	870.6	828.1	794.8
62.5°	879.7	855.4	800.8	755.3	728.0
65°	813.0	782.6	728.0	688.6	661.3
67.5°	749.3	712.9	658.3	621.9	594.6
70°	688.6	646.1	591.5	555.1	527.8
72.5°	627.9	576.4	518.7	485.4	461.1
75°	567.3	509.6	452.0	418.6	394.4
77.5°	506.6	439.9	382.2	354.9	330.6
80°	433.8	370.1	315.5	291.2	266.9
82.5°	351.9	300.3	254.8	230.5	212.3
85°	273.0	236.6	200.2	182.0	163.8
87.5°	212.3	185.0	157.7	142.6	127.4
90°	163.8	148.6	127.4	115.3	97.1
92.5°	142.6	130.4	115.3	103.1	88.0
95°	130.4	121.3	109.2	97.1	84.9
97.5°	118.3	112.2	100.1	91.0	78.9
100°	112.2	103.1	94.0	84.9	75.8
102.5°	106.2	97.1	88.0	78.9	72.8
105°	97.1	91.0	81.9	72.8	66.7
107.5°	91.0	81.9	75.8	66.7	63.7
110°	81.9	75.8	69.8	63.7	60.7



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	72.8	69.8	63.7	57.6	54.6
115°	66.7	60.7	60.7	51.6	51.6
117.5°	60.7	54.6	54.6	48.5	48.5
120°	51.6	48.5	48.5	42.5	42.5
122.5°	45.5	42.5	42.5	39.4	39.4
125°	42.5	36.4	39.4	33.4	36.4
127.5°	36.4	33.4	33.4	30.3	33.4
130°	30.3	27.3	27.3	27.3	30.3
132.5°	27.3	24.3	24.3	24.3	27.3
135°	24.3	21.2	21.2	21.2	24.3
137.5°	21.2	18.2	15.2	18.2	21.2
140°	18.2	15.2	12.1	15.2	18.2
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)