

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: P384311

Luminaire Tested: **22ID-60-L835-CFD2**

Issue Date: 2/25/2020

Test Information

Test Method: LM-79-08
Report Number: P384311
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-L835-CFD2
Description: 2X2 IN DEPTH TROFFER WITH 2INCH DROP CUBE LENS

Light Source: -
Ballast/Driver: -

Summary

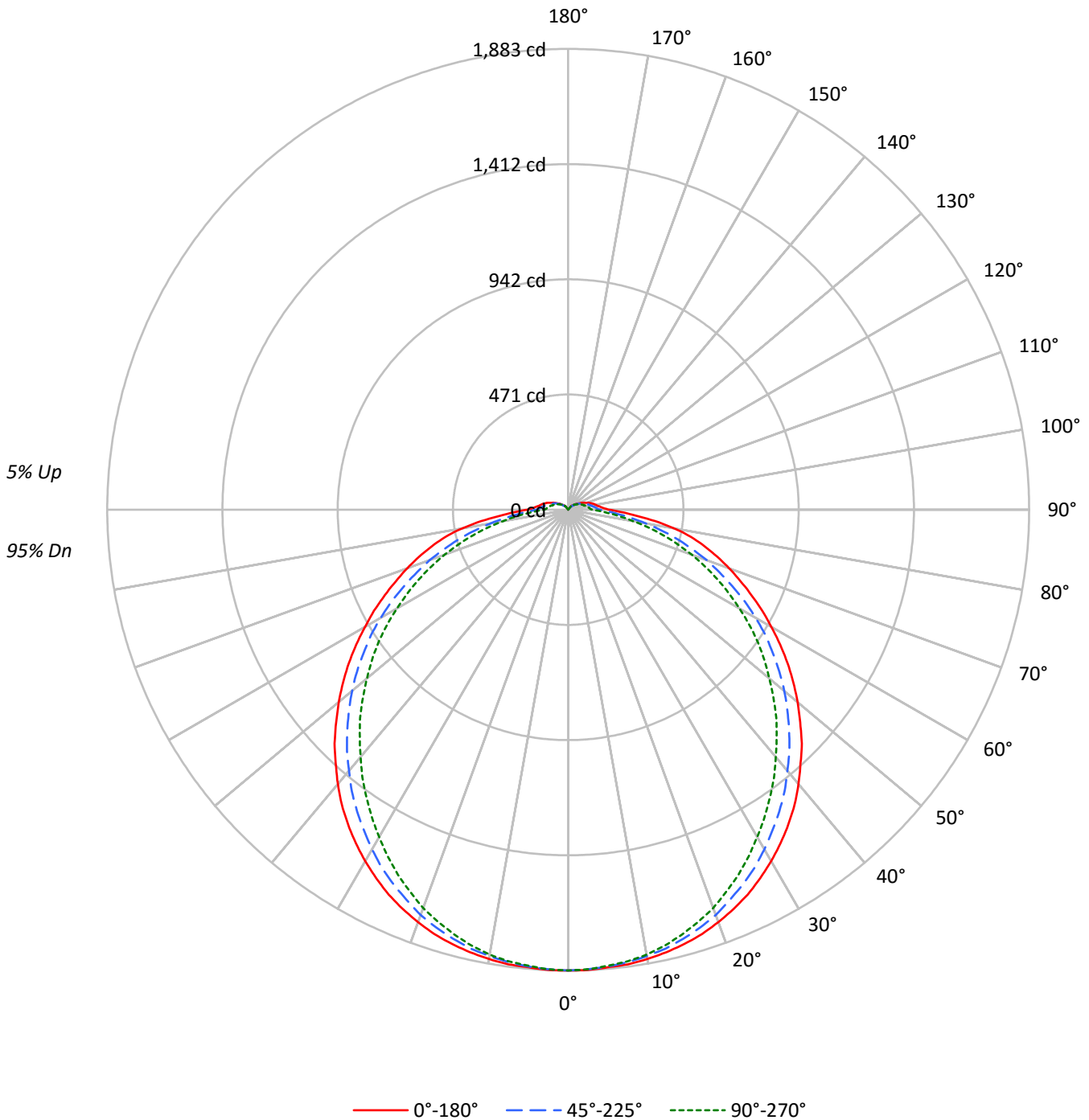
Lumens per Lamp: N/A
Luminaire Lumens: 6107.0 lumens
Efficiency: N/A
Efficacy: 120.0 lumens/watt
Spacing Criteria (0/90/45): 1.31 / 1.22 / 1.38
Luminous Opening: Rectangular w/ Sides (W: 2' x L: 2' x H: 0.17')
CIE Type: Direct

Input Watts (W): 50.9
Input Voltage (V): NR
Input Current (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°	5067	5067	5067
5°	5033	5010	5016
10°	5021	4958	4971
15°	5005	4902	4896
20°	4985	4840	4814
25°	4959	4753	4703
30°	4915	4662	4577
35°	4869	4564	4458
40°	4806	4453	4331
45°	4742	4343	4222
50°	4659	4231	4084
55°	4587	4096	3967
60°	4507	3953	3797
65°	4462	3759	3629
70°	4478	3571	3433
75°	4570	3316	3177
80°	4638	2977	2854
85°	4387	2676	2631



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	178.2	2.9
10°-20°	512.4	8.4
20°-30°	778.3	12.7
30°-40°	940.1	15.4
40°-50°	984.0	16.1
50°-60°	913.0	15.0
60°-70°	739.5	12.1
70°-80°	499.1	8.2
80°-90°	241.1	3.9
90°-100°	121.3	2.0
100°-110°	88.2	1.4
110°-120°	58.9	1.0
120°-130°	34.2	0.6
130°-140°	17.2	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°	1469.0	24.1
0°-40°	2409.1	39.4
0°-60°	4306.1	70.5
0°-90°	5785.9	94.7
90°-120°	268.4	4.4
90°-150°	321.1	5.3
90°-180°	321.0	5.3
0°-180°	6107.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1883	1883	1883	1883	1883	
5°	1877	1874	1874	1871	1871	179
15°	1837	1827	1815	1803	1797	519
25°	1735	1720	1689	1658	1646	799
35°	1569	1547	1504	1458	1436	981
45°	1350	1325	1276	1223	1202	1040
55°	1094	1069	1020	971	946	978
65°	826	795	740	700	672	820
75°	576	518	459	425	401	607
85°	277	240	203	185	166	262
90°	166	151	129	117	99	95
95°	132	123	111	99	86	104
105°	99	92	83	74	68	105
115°	68	62	62	52	52	67
125°	43	37	40	34	37	38
135°	25	22	22	22	25	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°	1882.9	1882.9	1882.9	1882.9	1882.9
2.5°	1882.9	1879.8	1879.8	1879.8	1879.8
5°	1876.7	1873.7	1873.7	1870.6	1870.6
7.5°	1873.7	1867.5	1864.4	1861.3	1861.3
10°	1864.4	1858.2	1852.1	1845.9	1845.9
12.5°	1852.1	1845.9	1836.7	1824.4	1824.4
15°	1836.7	1827.4	1815.1	1802.8	1796.6
17.5°	1818.2	1808.9	1790.5	1772.0	1765.8
20°	1793.5	1781.2	1762.7	1738.1	1731.9
22.5°	1765.8	1753.5	1725.7	1701.1	1688.8
25°	1735.0	1719.6	1688.8	1657.9	1645.6
27.5°	1698.0	1682.6	1648.7	1611.7	1596.3
30°	1657.9	1639.5	1602.5	1562.4	1543.9
32.5°	1614.8	1593.2	1553.2	1510.0	1491.5
35°	1568.6	1547.0	1503.9	1457.6	1436.1
37.5°	1519.3	1497.7	1451.5	1402.2	1380.6
40°	1463.8	1442.2	1392.9	1343.6	1319.0
42.5°	1405.2	1386.8	1337.4	1285.1	1260.4
45°	1349.8	1325.1	1275.8	1223.4	1201.9
47.5°	1285.1	1266.6	1214.2	1161.8	1137.1
50°	1223.4	1201.9	1152.5	1100.2	1072.4
52.5°	1158.7	1140.2	1087.8	1035.4	1010.8
55°	1094.0	1069.3	1020.0	970.7	946.1
57.5°	1026.2	1004.6	955.3	909.1	878.3
60°	958.4	936.8	884.4	841.3	807.4
62.5°	893.7	869.0	813.6	767.3	739.6
65°	825.9	795.1	739.6	699.5	671.8
67.5°	761.2	724.2	668.7	631.7	604.0
70°	699.5	656.4	600.9	563.9	536.2
72.5°	637.9	585.5	527.0	493.1	468.4
75°	576.3	517.7	459.2	425.3	400.6
77.5°	514.6	446.8	388.3	360.6	335.9
80°	440.7	376.0	320.5	295.8	271.2
82.5°	357.5	305.1	258.9	234.2	215.7
85°	277.4	240.4	203.4	184.9	166.4
87.5°	215.7	188.0	160.2	144.8	129.4
90°	166.4	151.0	129.4	117.1	98.6
92.5°	144.8	132.5	117.1	104.8	89.4
95°	132.5	123.3	110.9	98.6	86.3
97.5°	120.2	114.0	101.7	92.5	80.1
100°	114.0	104.8	95.5	86.3	77.0
102.5°	107.9	98.6	89.4	80.1	74.0
105°	98.6	92.5	83.2	74.0	67.8
107.5°	92.5	83.2	77.0	67.8	64.7
110°	83.2	77.0	70.9	64.7	61.6



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	74.0	70.9	64.7	58.6	55.5
115°	67.8	61.6	61.6	52.4	52.4
117.5°	61.6	55.5	55.5	49.3	49.3
120°	52.4	49.3	49.3	43.1	43.1
122.5°	46.2	43.1	43.1	40.1	40.1
125°	43.1	37.0	40.1	33.9	37.0
127.5°	37.0	33.9	33.9	30.8	33.9
130°	30.8	27.7	27.7	27.7	30.8
132.5°	27.7	24.7	24.7	24.7	27.7
135°	24.7	21.6	21.6	21.6	24.7
137.5°	21.6	18.5	15.4	18.5	21.6
140°	18.5	15.4	12.3	15.4	18.5
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)