

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: P384362

Luminaire Tested: **24ID-60-L830-CFD2**

Issue Date: 2/25/2020

Test Information

Test Method: LM-79-08
Report Number: P384362
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: 24ID-60-L830-CFD2
Description: 2X4 IN DEPTH TROFFER WITH 2INCH DROP CUBE LENS

Light Source: -
Ballast/Driver: -

Summary

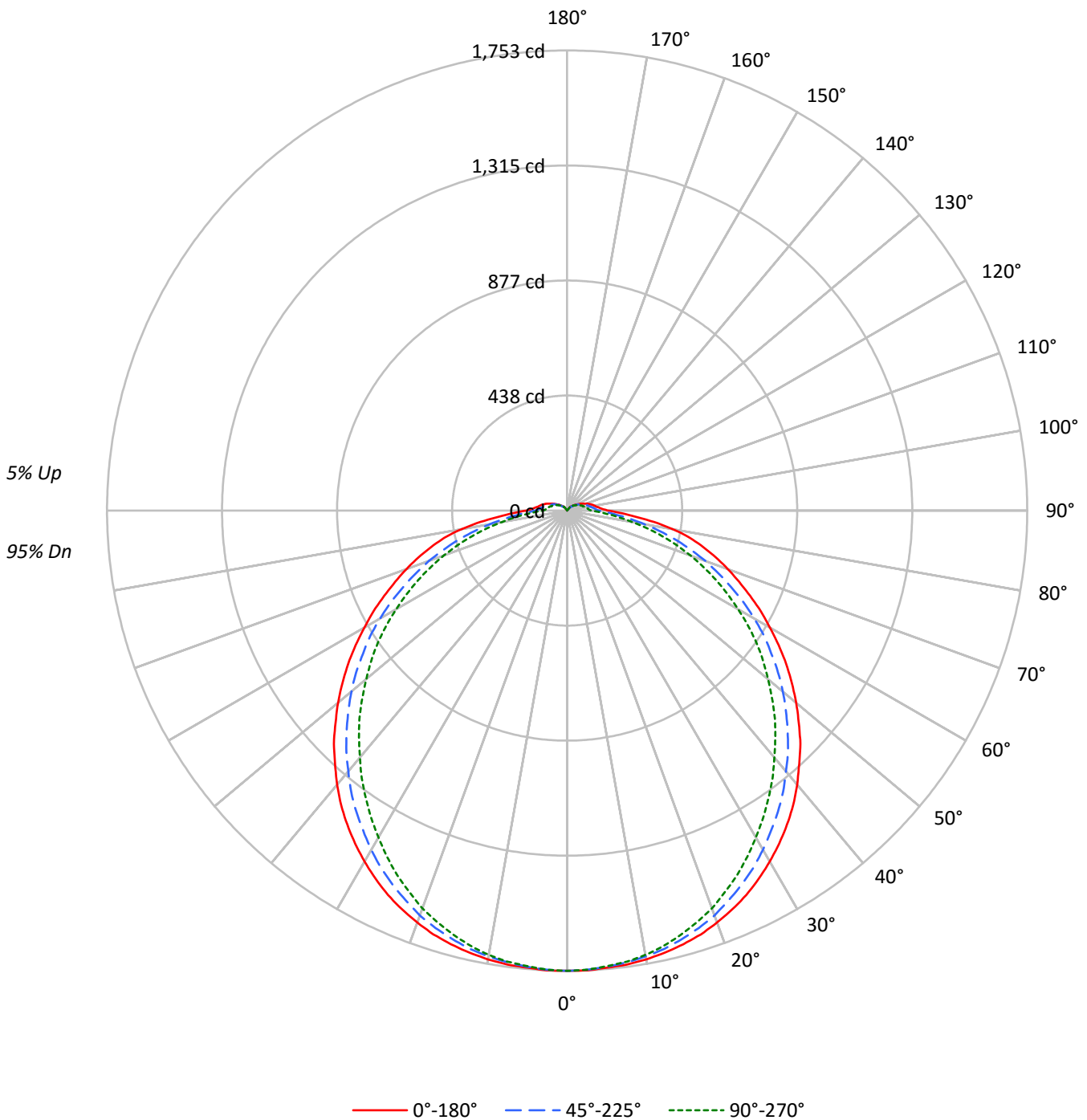
Lumens per Lamp: N/A
Luminaire Lumens: 5686.5 lumens
Efficiency: N/A
Efficacy: 104.3 lumens/watt
Spacing Criteria (0/90/45): 1.31 / 1.22 / 1.38
Luminous Opening: Rectangular w/ Sides (W: 2' x L: 4' x H: 0.17')
CIE Type: Direct

Input Watts (W): 54.5
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°	2359	2359	2359
5°	2352	2338	2335
10°	2355	2320	2314
15°	2356	2300	2279
20°	2355	2277	2241
25°	2353	2242	2190
30°	2342	2206	2131
35°	2331	2166	2075
40°	2313	2121	2016
45°	2296	2077	1966
50°	2272	2032	1901
55°	2255	1978	1847
60°	2240	1922	1768
65°	2247	1843	1689
70°	2299	1771	1598
75°	2414	1672	1479
80°	2571	1540	1329
85°	2701	1454	1226



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	165.9	2.9
10°-20°	477.2	8.4
20°-30°	724.7	12.7
30°-40°	875.4	15.4
40°-50°	916.2	16.1
50°-60°	850.2	15.0
60°-70°	688.6	12.1
70°-80°	464.7	8.2
80°-90°	224.5	3.9
90°-100°	112.9	2.0
100°-110°	82.1	1.4
110°-120°	54.9	1.0
120°-130°	31.8	0.6
130°-140°	16.0	0.3
140°-150°	1.2	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	1367.8	24.1
0°-40°	2243.2	39.4
0°-60°	4009.6	70.5
0°-90°	5387.5	94.7
90°-120°	249.9	4.4
90°-150°	299.0	5.3
90°-180°	299.0	5.3
0°-180°	5686.5	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1753	1753	1753	1753	1753	
5°	1748	1745	1745	1742	1742	167
15°	1710	1702	1690	1679	1673	483
25°	1616	1601	1572	1544	1532	744
35°	1461	1440	1400	1357	1337	914
45°	1257	1234	1188	1139	1119	968
55°	1019	996	950	904	881	911
65°	769	740	689	651	626	763
75°	537	482	428	396	373	565
85°	258	224	189	172	155	244
90°	155	141	120	109	92	88
95°	123	115	103	92	80	97
105°	92	86	78	69	63	98
115°	63	57	57	49	49	63
125°	40	34	37	32	34	35
135°	23	20	20	20	23	18
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°	1753.3	1753.3	1753.3	1753.3	1753.3
2.5°	1753.3	1750.4	1750.4	1750.4	1750.4
5°	1747.5	1744.6	1744.6	1741.8	1741.8
7.5°	1744.6	1738.9	1736.0	1733.2	1733.2
10°	1736.0	1730.3	1724.6	1718.8	1718.8
12.5°	1724.6	1718.8	1710.2	1698.7	1698.7
15°	1710.2	1701.6	1690.1	1678.6	1672.9
17.5°	1693.0	1684.4	1667.2	1650.0	1644.2
20°	1670.0	1658.6	1641.3	1618.4	1612.7
22.5°	1644.2	1632.7	1606.9	1584.0	1572.5
25°	1615.5	1601.2	1572.5	1543.8	1532.3
27.5°	1581.1	1566.7	1535.2	1500.7	1486.4
30°	1543.8	1526.6	1492.1	1454.8	1437.6
32.5°	1503.6	1483.5	1446.2	1406.0	1388.8
35°	1460.6	1440.5	1400.3	1357.3	1337.2
37.5°	1414.7	1394.6	1351.5	1305.6	1285.5
40°	1363.0	1342.9	1297.0	1251.1	1228.1
42.5°	1308.5	1291.3	1245.4	1196.6	1173.6
45°	1256.8	1233.9	1188.0	1139.2	1119.1
47.5°	1196.6	1179.4	1130.6	1081.8	1058.8
50°	1139.2	1119.1	1073.2	1024.4	998.6
52.5°	1078.9	1061.7	1012.9	964.1	941.2
55°	1018.7	995.7	949.8	903.9	880.9
57.5°	955.5	935.5	889.5	846.5	817.8
60°	892.4	872.3	823.5	783.4	751.8
62.5°	832.2	809.2	757.5	714.5	688.7
65°	769.0	740.3	688.7	651.4	625.5
67.5°	708.8	674.3	622.7	588.2	562.4
70°	651.4	611.2	559.5	525.1	499.3
72.5°	594.0	545.2	490.7	459.1	436.2
75°	536.6	482.1	427.6	396.0	373.0
77.5°	479.2	416.1	361.6	335.7	312.8
80°	410.3	350.1	298.4	275.5	252.5
82.5°	332.9	284.1	241.0	218.1	200.9
85°	258.3	223.8	189.4	172.2	155.0
87.5°	200.9	175.0	149.2	134.9	120.5
90°	155.0	140.6	120.5	109.0	91.8
92.5°	134.9	123.4	109.0	97.6	83.2
95°	123.4	114.8	103.3	91.8	80.3
97.5°	111.9	106.2	94.7	86.1	74.6
100°	106.2	97.6	89.0	80.3	71.7
102.5°	100.4	91.8	83.2	74.6	68.9
105°	91.8	86.1	77.5	68.9	63.1
107.5°	86.1	77.5	71.7	63.1	60.3
110°	77.5	71.7	66.0	60.3	57.4



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	68.9	66.0	60.3	54.5	51.7
115°	63.1	57.4	57.4	48.8	48.8
117.5°	57.4	51.7	51.7	45.9	45.9
120°	48.8	45.9	45.9	40.2	40.2
122.5°	43.0	40.2	40.2	37.3	37.3
125°	40.2	34.4	37.3	31.6	34.4
127.5°	34.4	31.6	31.6	28.7	31.6
130°	28.7	25.8	25.8	25.8	28.7
132.5°	25.8	23.0	23.0	23.0	25.8
135°	23.0	20.1	20.1	20.1	23.0
137.5°	20.1	17.2	14.3	17.2	20.1
140°	17.2	14.3	11.5	14.3	17.2
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)