

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: P384086

Luminaire Tested: **14ID-60-L830-CFD1**

Issue Date: 2/25/2020

Test Information

Test Method: LM-79-08
Report Number: P384086
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1911-572-67)
Test Lab: INNOVATION CENTER (G2)
Issue Date: 2/25/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 14ID-60-L830-CFD1
Description: 1X4 IN DEPTH TROFFER WITH 1INCH DROP CUBE LENS

Light Source: -
Ballast/Driver: -

Summary

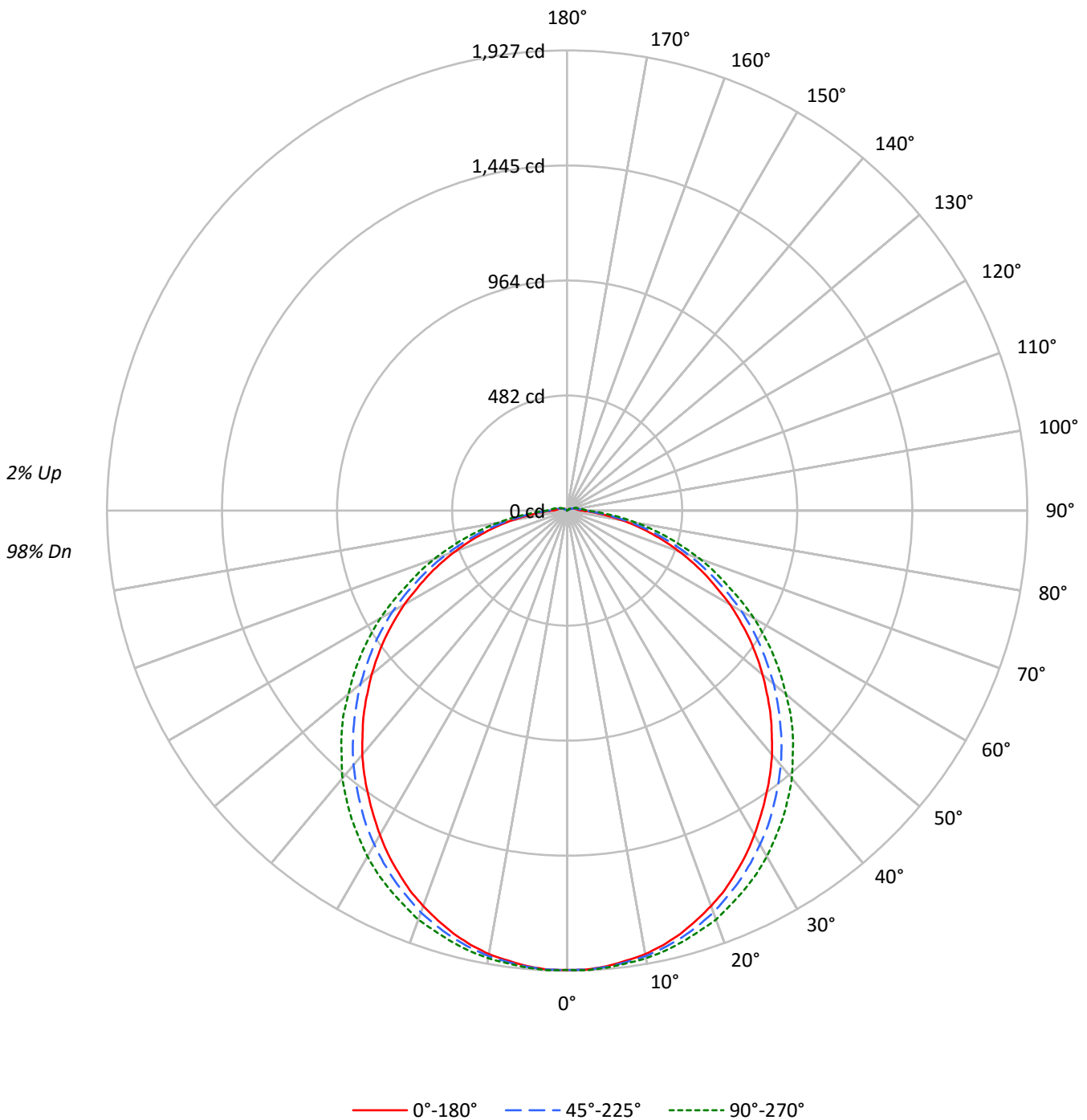
Lumens per Lamp: N/A
Luminaire Lumens: 5697.6 lumens
Efficiency: N/A
Efficacy: 106.9 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.29 / 1.37
Luminous Opening: Rectangular w/ Sides (W: 1' x L: 4' x H: 0.08')
CIE Type: Direct

Input Watts (W): 53.3
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	119	119	119	119	116	116	116	116	110	110	110	105	105	105	100	100	100	98
1	108	103	98	94	105	100	96	92	96	92	89	91	88	86	87	85	83	81
2	98	89	82	76	95	87	81	75	83	78	73	80	75	71	76	73	69	67
3	89	78	70	63	86	76	69	63	73	67	61	70	64	60	67	62	58	56
4	81	69	60	53	79	68	59	53	65	58	52	62	56	51	60	55	50	48
5	75	62	53	46	73	61	52	46	58	51	45	56	49	44	54	48	44	41
6	69	56	47	40	67	55	46	40	52	45	39	51	44	39	49	43	38	36
7	64	50	42	35	62	49	41	35	48	40	35	46	39	34	45	39	34	32
8	60	46	37	32	58	45	37	31	44	36	31	42	36	31	41	35	30	28
9	56	42	34	28	54	41	34	28	40	33	28	39	32	28	38	32	27	26
10	52	39	31	26	51	38	31	26	37	30	25	36	30	25	35	29	25	23

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	5177	5177	5177
5°	5164	5148	5151
10°	5135	5111	5126
15°	5082	5059	5093
20°	5008	4995	5066
25°	4918	4909	5011
30°	4816	4813	4958
35°	4704	4710	4887
40°	4607	4606	4808
45°	4490	4474	4698
50°	4366	4347	4554
55°	4238	4194	4420
60°	4096	4026	4252
65°	3909	3781	3995
70°	3697	3535	3792
75°	3456	3204	3483
80°	3203	2811	3101
85°	3097	2421	2649



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	182.2	3.2
10°-20°	522.3	9.2
20°-30°	788.5	13.8
30°-40°	944.8	16.6
40°-50°	976.8	17.1
50°-60°	884.6	15.5
60°-70°	684.5	12.0
70°-80°	420.5	7.4
80°-90°	167.1	2.9
90°-100°	60.9	1.1
100°-110°	37.5	0.7
110°-120°	19.2	0.3
120°-130°	8.2	0.1
130°-140°	0.6	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	1493.0	26.2
0°-40°	2437.8	42.8
0°-60°	4299.2	75.5
0°-90°	5571.2	97.8
90°-120°	117.7	2.1
90°-150°	126.5	2.2
90°-180°	126.0	2.2
0°-180°	5697.6	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1924	1924	1924	1924	1924	
5°	1915	1915	1918	1918	1921	182
15°	1834	1837	1852	1863	1869	517
25°	1672	1684	1710	1739	1753	771
35°	1453	1470	1508	1548	1574	910
45°	1204	1219	1262	1314	1337	928
55°	930	950	988	1031	1054	831
65°	641	656	688	722	740	634
75°	358	376	393	419	439	382
85°	124	133	144	159	168	124
90°	58	66	72	81	87	34
95°	43	49	55	61	66	35
105°	32	32	35	38	40	34
115°	20	17	17	20	23	20
125°	12	9	6	9	12	11
135°	0	0	0	0	0	1
145°	0	0	0	0	0	0
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°	1923.8	1923.8	1923.8	1923.8	1923.8
2.5°	1923.8	1920.9	1923.8	1923.8	1926.7
5°	1915.1	1915.1	1918.0	1918.0	1920.9
7.5°	1900.7	1900.7	1906.4	1909.3	1912.2
10°	1886.2	1886.2	1894.9	1897.8	1903.6
12.5°	1863.1	1866.0	1874.7	1883.3	1889.1
15°	1834.2	1837.1	1851.6	1863.1	1868.9
17.5°	1799.6	1805.3	1822.7	1840.0	1845.8
20°	1762.0	1770.7	1790.9	1811.1	1822.7
22.5°	1721.6	1727.4	1750.5	1776.5	1788.0
25°	1672.5	1684.0	1710.0	1738.9	1753.3
27.5°	1623.4	1634.9	1663.8	1698.5	1715.8
30°	1568.5	1580.0	1614.7	1652.2	1672.5
32.5°	1510.7	1525.2	1565.6	1603.1	1623.4
35°	1452.9	1470.3	1507.8	1548.3	1574.3
37.5°	1395.2	1409.6	1450.1	1493.4	1519.4
40°	1334.5	1349.0	1392.3	1435.6	1464.5
42.5°	1268.1	1285.4	1328.7	1374.9	1398.1
45°	1204.5	1219.0	1262.3	1314.3	1337.4
47.5°	1135.2	1155.4	1195.9	1245.0	1271.0
50°	1068.8	1086.1	1129.4	1175.6	1195.9
52.5°	999.4	1016.8	1057.2	1103.4	1126.5
55°	930.1	950.3	987.9	1031.2	1054.3
57.5°	857.9	878.1	915.7	953.2	979.2
60°	788.6	808.8	843.5	881.0	904.1
62.5°	710.6	727.9	765.5	805.9	823.2
65°	641.3	655.7	687.5	722.1	739.5
67.5°	569.0	586.4	615.3	647.0	667.3
70°	496.8	517.0	540.2	569.0	592.2
72.5°	427.5	444.8	465.1	493.9	514.2
75°	358.2	375.5	392.8	418.8	439.1
77.5°	297.5	306.2	323.5	346.6	366.8
80°	231.1	242.6	257.1	280.2	294.6
82.5°	173.3	184.9	196.4	213.8	228.2
85°	124.2	132.9	144.4	158.9	167.5
87.5°	83.8	92.4	101.1	112.7	121.3
90°	57.8	66.4	72.2	80.9	86.7
92.5°	49.1	54.9	60.7	66.4	72.2
95°	43.3	49.1	54.9	60.7	66.4
97.5°	40.4	43.3	49.1	54.9	57.8
100°	37.6	40.4	43.3	49.1	52.0
102.5°	34.7	34.7	40.4	43.3	46.2
105°	31.8	31.8	34.7	37.6	40.4
107.5°	28.9	28.9	31.8	31.8	37.6
110°	26.0	23.1	26.0	26.0	31.8



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	23.1	20.2	23.1	23.1	26.0
115°	20.2	17.3	17.3	20.2	23.1
117.5°	17.3	14.4	14.4	14.4	20.2
120°	17.3	14.4	11.6	11.6	17.3
122.5°	14.4	11.6	8.7	11.6	14.4
125°	11.6	8.7	5.8	8.7	11.6
127.5°	8.7	8.7	2.9	5.8	8.7
130°	8.7	5.8	2.9	5.8	5.8
132.5°	0.0	0.0	0.0	0.0	0.0
135°	0.0	0.0	0.0	0.0	0.0
137.5°	0.0	0.0	0.0	0.0	0.0
140°	0.0	0.0	0.0	0.0	0.0
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)