

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: P384262

Luminaire Tested: **14ID-70-L830-CFD2**

Issue Date: 2/25/2020

Test Information

Test Method: LM-79-08
Report Number: P384262
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: 14ID-70-L830-CFD2
Description: 1X4 IN DEPTH TROFFER WITH 2INCH DROP CUBE LENS

Light Source: -
Ballast/Driver: -

Summary

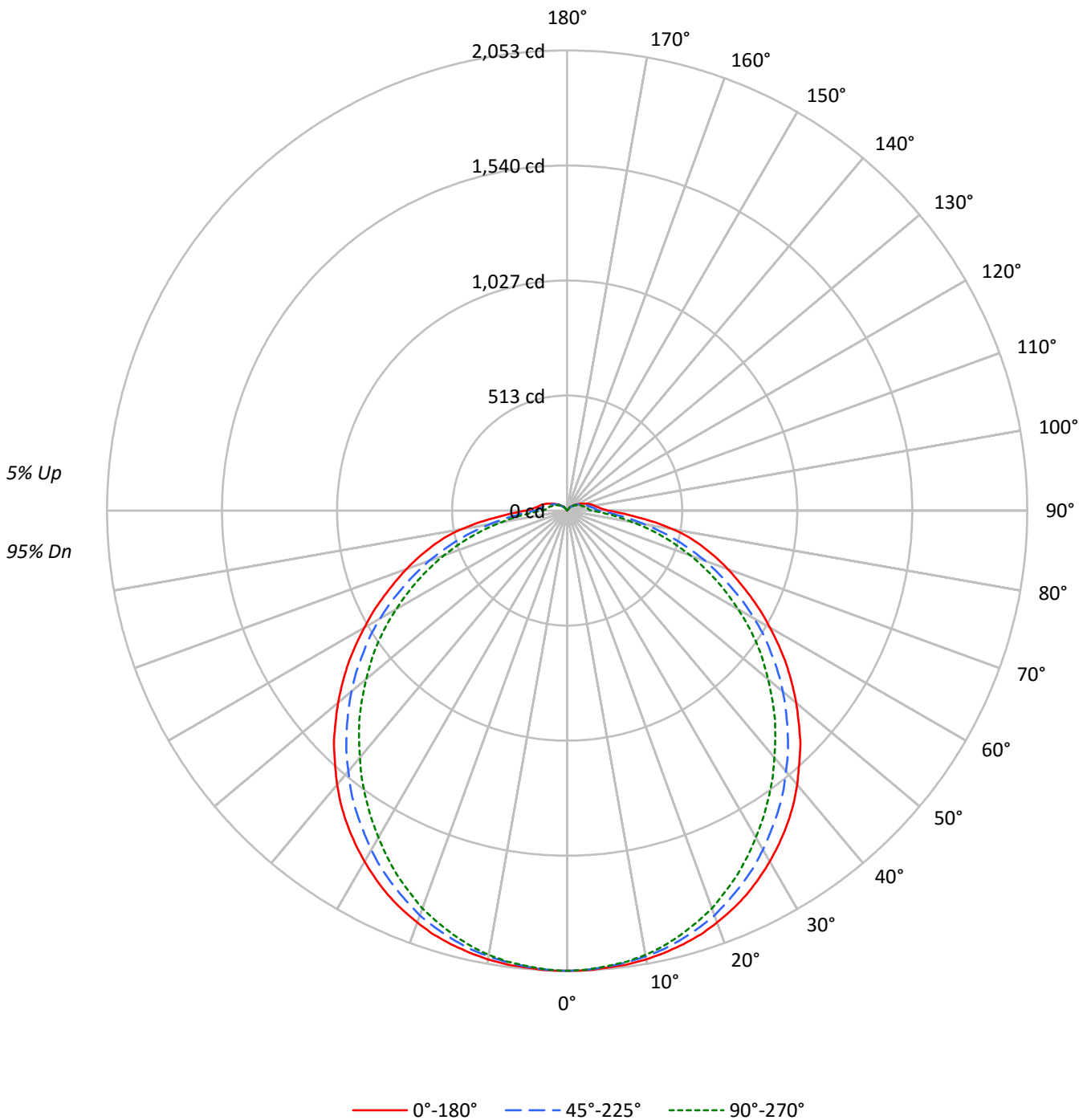
Lumens per Lamp: N/A
Luminaire Lumens: 6659.5 lumens
Efficiency: N/A
Efficacy: 101.5 lumens/watt
Spacing Criteria (0/90/45): 1.31 / 1.22 / 1.38
Luminous Opening: Rectangular w/ Sides (W: 1' x L: 4' x H: 0.17')
CIE Type: Direct

Input Watts (W): 65.6
Input Voltage (V): NR
Input Current (A_{in}): 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°	5525	5525	5525
5°	5508	5449	5431
10°	5515	5379	5343
15°	5518	5305	5225
20°	5517	5224	5099
25°	5510	5116	4944
30°	5486	5004	4772
35°	5460	4883	4607
40°	5418	4749	4433
45°	5377	4615	4275
50°	5321	4476	4084
55°	5283	4311	3910
60°	5246	4136	3677
65°	5264	3902	3436
70°	5385	3670	3155
75°	5654	3359	2801
80°	6023	2951	2356
85°	6325	2552	1929



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	194.3	2.9
10°-20°	558.8	8.4
20°-30°	848.7	12.7
30°-40°	1025.2	15.4
40°-50°	1073.0	16.1
50°-60°	995.6	15.0
60°-70°	806.5	12.1
70°-80°	544.2	8.2
80°-90°	262.9	3.9
90°-100°	132.3	2.0
100°-110°	96.1	1.4
110°-120°	64.3	1.0
120°-130°	37.2	0.6
130°-140°	18.8	0.3
140°-150°	1.4	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	1601.9	24.1
0°-40°	2627.1	39.4
0°-60°	4695.7	70.5
0°-90°	6309.3	94.7
90°-120°	292.7	4.4
90°-150°	350.1	5.3
90°-180°	350.0	5.3
0°-180°	6659.5	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2053	2053	2053	2053	2053	
5°	2046	2043	2043	2040	2040	195
15°	2003	1993	1979	1966	1959	566
25°	1892	1875	1842	1808	1794	872
35°	1710	1687	1640	1590	1566	1070
45°	1472	1445	1391	1334	1311	1134
55°	1193	1166	1112	1058	1032	1066
65°	901	867	806	763	733	894
75°	628	565	501	464	437	662
85°	302	262	222	202	182	286
90°	182	165	141	128	108	104
95°	144	134	121	108	94	114
105°	108	101	91	81	74	115
115°	74	67	67	57	57	74
125°	47	40	44	37	40	41
135°	27	24	24	24	27	21
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°	2053.2	2053.2	2053.2	2053.2	2053.2
2.5°	2053.2	2049.9	2049.9	2049.9	2049.9
5°	2046.5	2043.2	2043.2	2039.8	2039.8
7.5°	2043.2	2036.4	2033.1	2029.7	2029.7
10°	2033.1	2026.4	2019.6	2012.9	2012.9
12.5°	2019.6	2012.9	2002.8	1989.4	1989.4
15°	2002.8	1992.8	1979.3	1965.9	1959.2
17.5°	1982.7	1972.6	1952.4	1932.3	1925.6
20°	1955.8	1942.4	1922.2	1895.3	1888.6
22.5°	1925.6	1912.1	1881.9	1855.0	1841.5
25°	1891.9	1875.1	1841.5	1807.9	1794.5
27.5°	1851.6	1834.8	1797.9	1757.5	1740.7
30°	1807.9	1787.8	1747.4	1703.8	1683.6
32.5°	1760.9	1737.4	1693.7	1646.6	1626.5
35°	1710.5	1687.0	1639.9	1589.5	1566.0
37.5°	1656.7	1633.2	1582.8	1529.0	1505.5
40°	1596.2	1572.7	1518.9	1465.2	1438.3
42.5°	1532.4	1512.2	1458.4	1401.3	1374.4
45°	1471.9	1445.0	1391.2	1334.1	1310.6
47.5°	1401.3	1381.2	1324.0	1266.9	1240.0
50°	1334.1	1310.6	1256.8	1199.7	1169.4
52.5°	1263.5	1243.4	1186.2	1129.1	1102.2
55°	1193.0	1166.1	1112.3	1058.5	1031.7
57.5°	1119.0	1095.5	1041.7	991.3	957.7
60°	1045.1	1021.6	964.5	917.4	880.4
62.5°	974.5	947.7	887.2	836.8	806.5
65°	900.6	867.0	806.5	762.8	732.6
67.5°	830.0	789.7	729.2	688.9	658.7
70°	762.8	715.8	655.3	615.0	584.7
72.5°	695.6	638.5	574.6	537.7	510.8
75°	628.4	564.6	500.7	463.7	436.9
77.5°	561.2	487.3	423.4	393.2	366.3
80°	480.5	410.0	349.5	322.6	295.7
82.5°	389.8	332.7	282.3	255.4	235.2
85°	302.4	262.1	221.8	201.6	181.5
87.5°	235.2	205.0	174.7	157.9	141.1
90°	181.5	164.7	141.1	127.7	107.5
92.5°	157.9	144.5	127.7	114.3	97.5
95°	144.5	134.4	121.0	107.5	94.1
97.5°	131.1	124.3	110.9	100.8	87.4
100°	124.3	114.3	104.2	94.1	84.0
102.5°	117.6	107.5	97.5	87.4	80.7
105°	107.5	100.8	90.7	80.7	73.9
107.5°	100.8	90.7	84.0	73.9	70.6
110°	90.7	84.0	77.3	70.6	67.2



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	80.7	77.3	70.6	63.8	60.5
115°	73.9	67.2	67.2	57.1	57.1
117.5°	67.2	60.5	60.5	53.8	53.8
120°	57.1	53.8	53.8	47.0	47.0
122.5°	50.4	47.0	47.0	43.7	43.7
125°	47.0	40.3	43.7	37.0	40.3
127.5°	40.3	37.0	37.0	33.6	37.0
130°	33.6	30.2	30.2	30.2	33.6
132.5°	30.2	26.9	26.9	26.9	30.2
135°	26.9	23.5	23.5	23.5	26.9
137.5°	23.5	20.2	16.8	20.2	23.5
140°	20.2	16.8	13.4	16.8	20.2
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)