

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: P384314

Luminaire Tested: **22ID-65-L830-CFD2**

Issue Date: 2/25/2020

Test Information

Test Method: LM-79-08
Report Number: P384314
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-65-L830-CFD2
Description: 2X2 IN DEPTH TROFFER WITH 2INCH DROP CUBE LENS

Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6472.3 lumens
Efficiency: N/A
Efficacy: 115.6 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

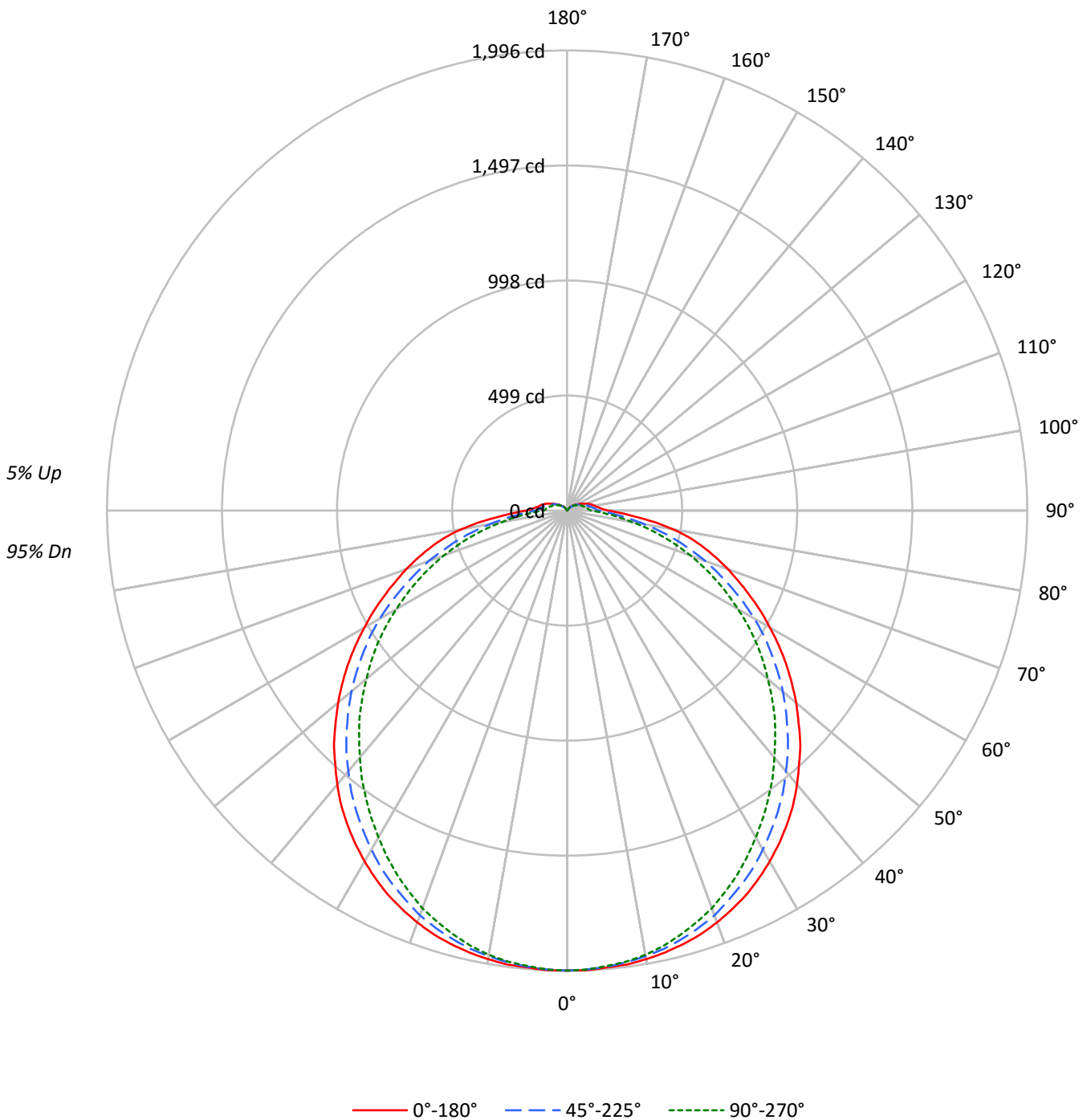
Input Watts (W): 56
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	5370	5370	5370
5°	5334	5309	5316
10°	5321	5254	5268
15°	5304	5195	5189
20°	5283	5130	5102
25°	5255	5037	4985
30°	5209	4941	4851
35°	5160	4837	4724
40°	5094	4719	4590
45°	5025	4603	4474
50°	4938	4484	4328
55°	4861	4341	4204
60°	4777	4189	4024
65°	4728	3984	3846
70°	4746	3785	3638
75°	4843	3514	3367
80°	4914	3155	3024
85°	4647	2836	2789



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	188.9	2.9
10°-20°	543.1	8.4
20°-30°	824.9	12.7
30°-40°	996.4	15.4
40°-50°	1042.8	16.1
50°-60°	967.7	15.0
60°-70°	783.8	12.1
70°-80°	528.9	8.2
80°-90°	255.5	3.9
90°-100°	128.5	2.0
100°-110°	93.5	1.4
110°-120°	62.5	1.0
120°-130°	36.2	0.6
130°-140°	18.3	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°	1556.8	24.1
0°-40°	2553.2	39.4
0°-60°	4563.7	70.5
0°-90°	6132.0	94.7
90°-120°	284.5	4.4
90°-150°	340.3	5.3
90°-180°	340.0	5.3
0°-180°	6472.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1996	1996	1996	1996	1996	
5°	1989	1986	1986	1982	1982	190
15°	1946	1937	1924	1911	1904	550
25°	1839	1822	1790	1757	1744	847
35°	1662	1640	1594	1545	1522	1040
45°	1430	1404	1352	1297	1274	1102
55°	1159	1133	1081	1029	1003	1036
65°	875	843	784	741	712	869
75°	611	549	487	451	425	643
85°	294	255	216	196	176	278
90°	176	160	137	124	104	101
95°	140	131	118	104	91	110
105°	104	98	88	78	72	112
115°	72	65	65	56	56	72
125°	46	39	42	36	39	40
135°	26	23	23	23	26	20
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°	1995.5	1995.5	1995.5	1995.5	1995.5
2.5°	1995.5	1992.3	1992.3	1992.3	1992.3
5°	1989.0	1985.7	1985.7	1982.5	1982.5
7.5°	1985.7	1979.2	1975.9	1972.7	1972.7
10°	1975.9	1969.4	1962.9	1956.3	1956.3
12.5°	1962.9	1956.3	1946.5	1933.5	1933.5
15°	1946.5	1936.7	1923.7	1910.6	1904.1
17.5°	1926.9	1917.1	1897.6	1878.0	1871.4
20°	1900.8	1887.8	1868.2	1842.0	1835.5
22.5°	1871.4	1858.4	1829.0	1802.8	1789.8
25°	1838.8	1822.4	1789.8	1757.1	1744.0
27.5°	1799.6	1783.2	1747.3	1708.1	1691.8
30°	1757.1	1737.5	1698.3	1655.9	1636.3
32.5°	1711.4	1688.5	1646.1	1600.3	1580.7
35°	1662.4	1639.5	1593.8	1544.8	1522.0
37.5°	1610.1	1587.3	1538.3	1486.0	1463.2
40°	1551.4	1528.5	1476.2	1424.0	1397.9
42.5°	1489.3	1469.7	1417.4	1361.9	1335.8
45°	1430.5	1404.4	1352.1	1296.6	1273.7
47.5°	1361.9	1342.3	1286.8	1231.3	1205.2
50°	1296.6	1273.7	1221.5	1166.0	1136.6
52.5°	1228.0	1208.4	1152.9	1097.4	1071.3
55°	1159.4	1133.3	1081.0	1028.8	1002.7
57.5°	1087.6	1064.7	1012.5	963.5	930.8
60°	1015.7	992.9	937.3	891.6	855.7
62.5°	947.1	921.0	862.2	813.2	783.8
65°	875.3	842.6	783.8	741.4	712.0
67.5°	806.7	767.5	708.7	669.5	640.1
70°	741.4	695.7	636.9	597.7	568.3
72.5°	676.1	620.5	558.5	522.6	496.4
75°	610.7	548.7	486.6	450.7	424.6
77.5°	545.4	473.6	411.5	382.1	356.0
80°	467.0	398.5	339.7	313.5	287.4
82.5°	378.9	323.3	274.3	248.2	228.6
85°	293.9	254.7	215.6	196.0	176.4
87.5°	228.6	199.2	169.8	153.5	137.2
90°	176.4	160.0	137.2	124.1	104.5
92.5°	153.5	140.4	124.1	111.0	94.7
95°	140.4	130.6	117.6	104.5	91.4
97.5°	127.4	120.8	107.8	98.0	84.9
100°	120.8	111.0	101.2	91.4	81.7
102.5°	114.3	104.5	94.7	84.9	78.4
105°	104.5	98.0	88.2	78.4	71.9
107.5°	98.0	88.2	81.7	71.9	68.6
110°	88.2	81.7	75.1	68.6	65.3



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	78.4	75.1	68.6	62.1	58.8
115°	71.9	65.3	65.3	55.5	55.5
117.5°	65.3	58.8	58.8	52.3	52.3
120°	55.5	52.3	52.3	45.7	45.7
122.5°	49.0	45.7	45.7	42.5	42.5
125°	45.7	39.2	42.5	35.9	39.2
127.5°	39.2	35.9	35.9	32.7	35.9
130°	32.7	29.4	29.4	29.4	32.7
132.5°	29.4	26.1	26.1	26.1	29.4
135°	26.1	22.9	22.9	22.9	26.1
137.5°	22.9	19.6	16.3	19.6	22.9
140°	19.6	16.3	13.1	16.3	19.6
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)