

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: P384306

Luminaire Tested: **22ID-55-L830-CFD2**

Issue Date: 2/25/2020

Test Information

Test Method: LM-79-08
Report Number: P384306
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-55-L830-CFD2
Description: 2X2 IN DEPTH TROFFER WITH 2INCH DROP CUBE LENS

Light Source: -
Ballast/Driver: -

Summary

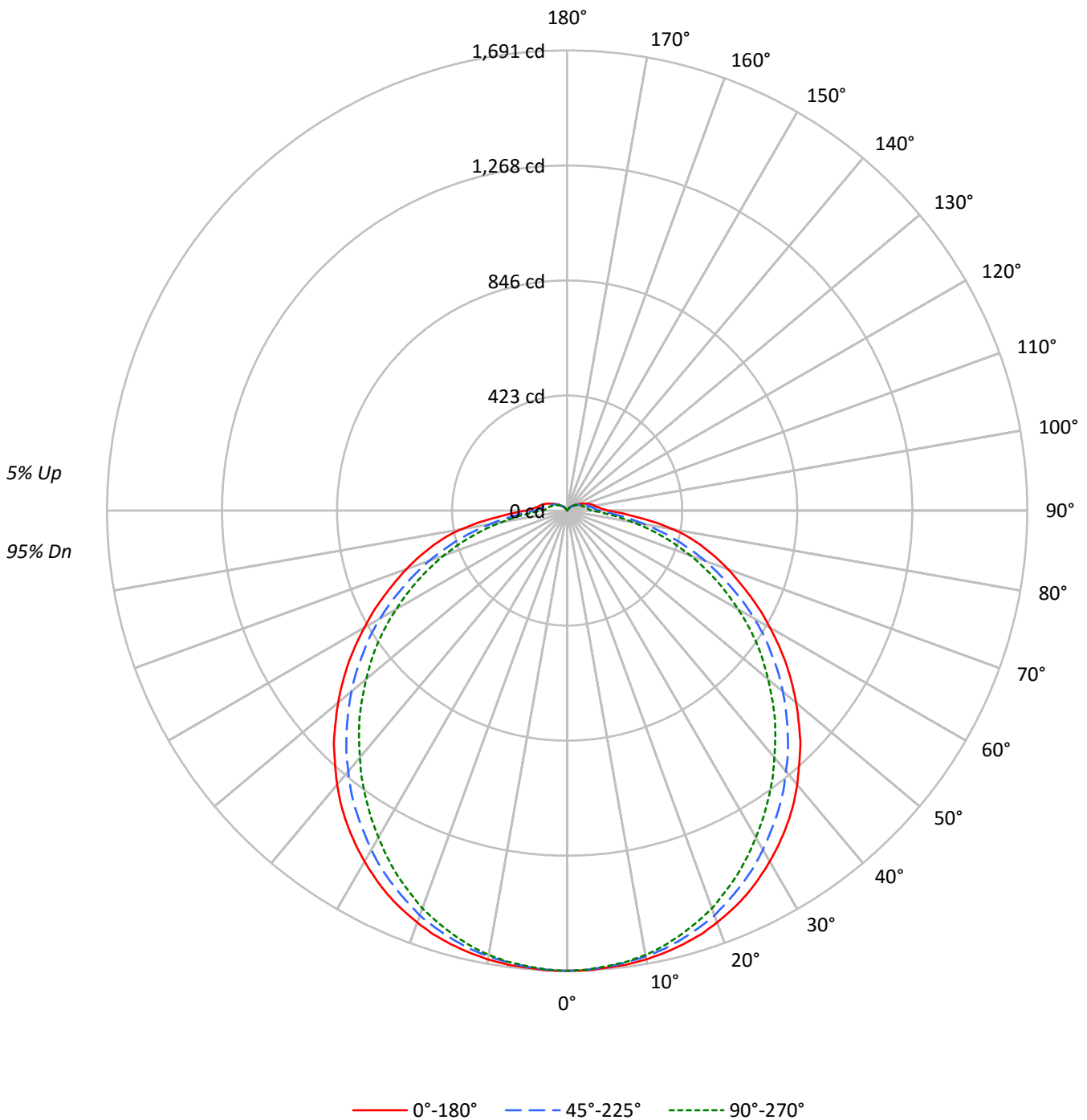
Lumens per Lamp: N/A
Luminaire Lumens: 5485.3 lumens
Efficiency: N/A
Efficacy: 119.5 lumens/watt
Spacing Criteria (0/90/45): 1.31 / 1.22 / 1.38
Luminous Opening: Rectangular w/ Sides (W: 2' x L: 2' x H: 0.17')
CIE Type: Direct

Input Watts (W): 45.9
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



TEST NUMBER: P384306
CATALOG NUMBER: 22ID-55-L830-CFD2

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°	4551	4551	4551
5°	4521	4500	4506
10°	4510	4453	4465
15°	4496	4403	4397
20°	4478	4348	4324
25°	4454	4269	4225
30°	4415	4187	4111
35°	4373	4099	4004
40°	4317	3999	3890
45°	4259	3901	3792
50°	4185	3800	3668
55°	4120	3679	3563
60°	4048	3551	3411
65°	4007	3376	3260
70°	4022	3208	3083
75°	4105	2978	2853
80°	4165	2674	2563
85°	3939	2403	2364



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	160.1	2.9
10°-20°	460.3	8.4
20°-30°	699.1	12.7
30°-40°	844.4	15.4
40°-50°	883.8	16.1
50°-60°	820.1	15.0
60°-70°	664.3	12.1
70°-80°	448.3	8.2
80°-90°	216.6	3.9
90°-100°	108.9	2.0
100°-110°	79.2	1.4
110°-120°	52.9	1.0
120°-130°	30.7	0.6
130°-140°	15.5	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°	1319.4	24.1
0°-40°	2163.8	39.4
0°-60°	3867.8	70.5
0°-90°	5196.9	94.7
90°-120°	241.1	4.4
90°-150°	288.4	5.3
90°-180°	288.0	5.3
0°-180°	5485.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1691	1691	1691	1691	1691	
5°	1686	1683	1683	1680	1680	161
15°	1650	1641	1630	1619	1614	466
25°	1558	1544	1517	1489	1478	718
35°	1409	1390	1351	1309	1290	881
45°	1212	1190	1146	1099	1080	934
55°	983	960	916	872	850	878
65°	742	714	664	628	603	736
75°	518	465	412	382	360	545
85°	249	216	183	166	150	235
90°	150	136	116	105	89	85
95°	119	111	100	89	78	94
105°	89	83	75	66	61	95
115°	61	55	55	47	47	61
125°	39	33	36	30	33	34
135°	22	19	19	19	22	17
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



TEST NUMBER: P384306

CATALOG NUMBER: 22ID-55-L830-CFD2

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1691.2	1691.2	1691.2	1691.2	1691.2
2.5°	1691.2	1688.5	1688.5	1688.5	1688.5
5°	1685.7	1682.9	1682.9	1680.1	1680.1
7.5°	1682.9	1677.4	1674.6	1671.8	1671.8
10°	1674.6	1669.1	1663.5	1658.0	1658.0
12.5°	1663.5	1658.0	1649.7	1638.6	1638.6
15°	1649.7	1641.4	1630.3	1619.3	1613.7
17.5°	1633.1	1624.8	1608.2	1591.6	1586.0
20°	1611.0	1599.9	1583.3	1561.1	1555.6
22.5°	1586.0	1575.0	1550.1	1527.9	1516.8
25°	1558.4	1544.5	1516.8	1489.2	1478.1
27.5°	1525.1	1511.3	1480.9	1447.6	1433.8
30°	1489.2	1472.6	1439.3	1403.4	1386.7
32.5°	1450.4	1431.0	1395.0	1356.3	1339.7
35°	1408.9	1389.5	1350.8	1309.2	1289.9
37.5°	1364.6	1345.2	1303.7	1259.4	1240.0
40°	1314.8	1295.4	1251.1	1206.8	1184.7
42.5°	1262.2	1245.6	1201.3	1154.2	1132.1
45°	1212.4	1190.2	1145.9	1098.9	1079.5
47.5°	1154.2	1137.6	1090.6	1043.5	1021.4
50°	1098.9	1079.5	1035.2	988.2	963.2
52.5°	1040.8	1024.1	977.1	930.0	907.9
55°	982.6	960.5	916.2	871.9	849.8
57.5°	921.7	902.4	858.1	816.5	788.9
60°	860.8	841.5	794.4	755.7	725.2
62.5°	802.7	780.6	730.7	689.2	664.3
65°	741.8	714.1	664.3	628.3	603.4
67.5°	683.7	650.5	600.6	567.4	542.5
70°	628.3	589.6	539.8	506.5	481.6
72.5°	573.0	525.9	473.3	442.9	420.7
75°	517.6	465.0	412.4	382.0	359.8
77.5°	462.2	401.4	348.8	323.9	301.7
80°	395.8	337.7	287.9	265.7	243.6
82.5°	321.1	274.0	232.5	210.4	193.8
85°	249.1	215.9	182.7	166.1	149.5
87.5°	193.8	168.8	143.9	130.1	116.3
90°	149.5	135.6	116.3	105.2	88.6
92.5°	130.1	119.0	105.2	94.1	80.3
95°	119.0	110.7	99.6	88.6	77.5
97.5°	108.0	102.4	91.3	83.0	72.0
100°	102.4	94.1	85.8	77.5	69.2
102.5°	96.9	88.6	80.3	72.0	66.4
105°	88.6	83.0	74.7	66.4	60.9
107.5°	83.0	74.7	69.2	60.9	58.1
110°	74.7	69.2	63.7	58.1	55.4



TEST NUMBER: P384306

CATALOG NUMBER: 22ID-55-L830-CFD2

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	66.4	63.7	58.1	52.6	49.8
115°	60.9	55.4	55.4	47.1	47.1
117.5°	55.4	49.8	49.8	44.3	44.3
120°	47.1	44.3	44.3	38.8	38.8
122.5°	41.5	38.8	38.8	36.0	36.0
125°	38.8	33.2	36.0	30.4	33.2
127.5°	33.2	30.4	30.4	27.7	30.4
130°	27.7	24.9	24.9	24.9	27.7
132.5°	24.9	22.1	22.1	22.1	24.9
135°	22.1	19.4	19.4	19.4	22.1
137.5°	19.4	16.6	13.8	16.6	19.4
140°	16.6	13.8	11.1	13.8	16.6
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)