

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: P384307

Luminaire Tested: **22ID-55-L835-CFD2**

Issue Date: 2/25/2020

Test Information

Test Method: LM-79-08
Report Number: P384307
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-L835-CFD2
Description: 2X2 IN DEPTH TROFFER WITH 2INCH DROP CUBE LENS

Light Source: -
Ballast/Driver: -

Summary

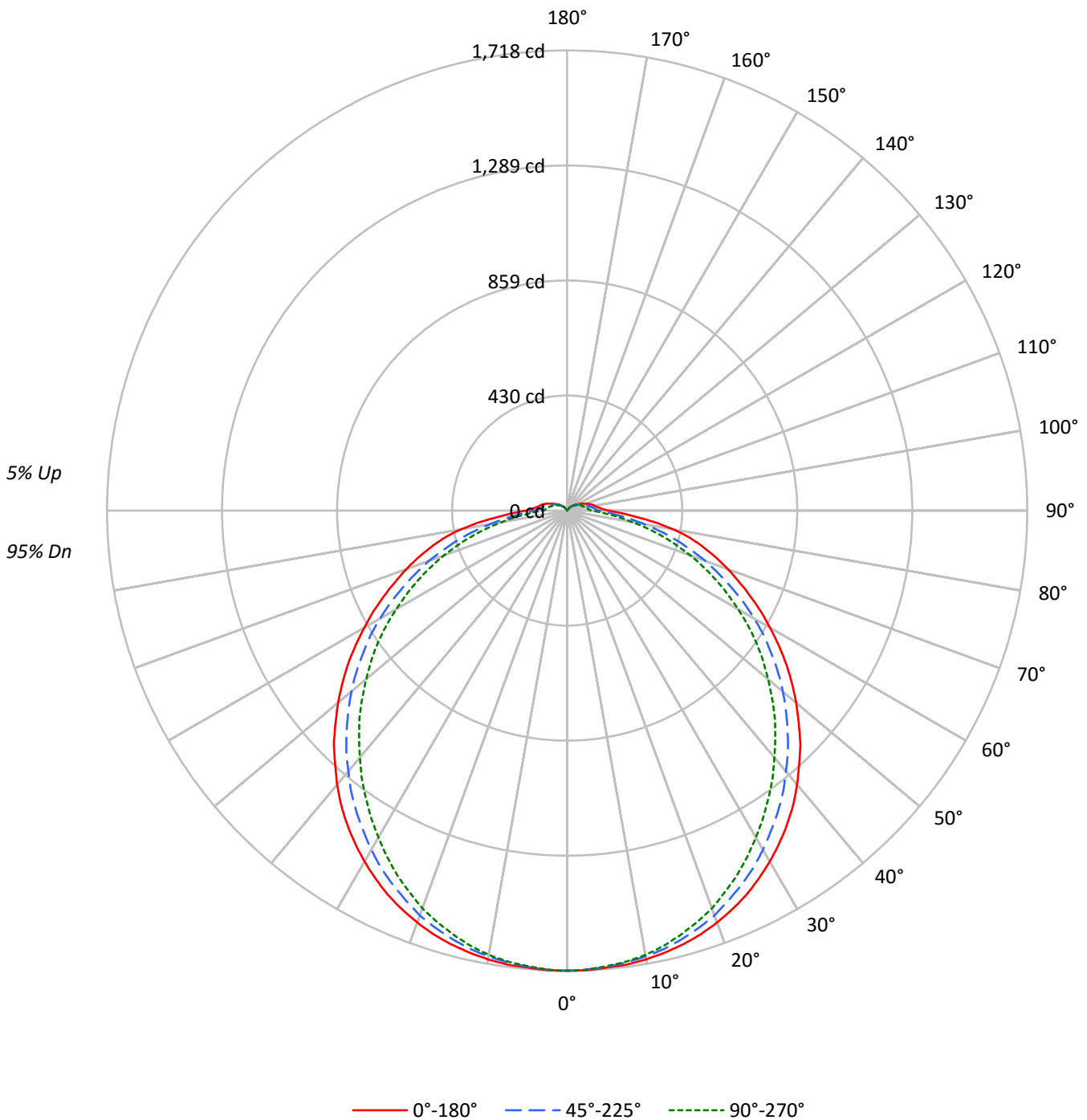
Lumens per Lamp: N/A
Luminaire Lumens: 5572.3 lumens
Efficiency: N/A
Efficacy: 121.4 lumens/watt
Spacing Criteria (0/90/45): 1.31 / 1.22 / 1.38
Luminous Opening: Rectangular w/ Sides (W: 2' x L: 2' x H: 0.17')
CIE Type: Direct

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: P384307
CATALOG NUMBER: 22ID-55-L835-CFD2

Luminous Intensity Polar Plot





TEST NUMBER: P384307

CATALOG NUMBER: 22ID-55-L835-CFD2

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°	4623	4623	4623
5°	4592	4571	4577
10°	4581	4524	4536
15°	4567	4473	4467
20°	4548	4416	4392
25°	4525	4337	4291
30°	4485	4254	4176
35°	4442	4164	4067
40°	4385	4063	3951
45°	4326	3963	3852
50°	4251	3860	3726
55°	4185	3737	3619
60°	4113	3607	3465
65°	4071	3430	3311
70°	4086	3259	3133
75°	4170	3026	2899
80°	4231	2716	2603
85°	4002	2442	2400



TEST NUMBER: P384307

CATALOG NUMBER: 22ID-55-L835-CFD2

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	162.6	2.9
10°-20°	467.6	8.4
20°-30°	710.2	12.7
30°-40°	857.8	15.4
40°-50°	897.8	16.1
50°-60°	833.1	15.0
60°-70°	674.8	12.1
70°-80°	455.4	8.2
80°-90°	220.0	3.9
90°-100°	110.7	2.0
100°-110°	80.5	1.4
110°-120°	53.8	1.0
120°-130°	31.2	0.6
130°-140°	15.7	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°	1340.3	24.1
0°-40°	2198.2	39.4
0°-60°	3929.1	70.5
0°-90°	5279.3	94.7
90°-120°	244.9	4.4
90°-150°	293.0	5.3
90°-180°	293.0	5.3
0°-180°	5572.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1718	1718	1718	1718	1718	
5°	1712	1710	1710	1707	1707	163
15°	1676	1667	1656	1645	1639	473
25°	1583	1569	1541	1513	1502	729
35°	1431	1412	1372	1330	1310	895
45°	1232	1209	1164	1116	1097	949
55°	998	976	931	886	863	892
65°	754	726	675	638	613	748
75°	526	472	419	388	366	554
85°	253	219	186	169	152	239
90°	152	138	118	107	90	87
95°	121	112	101	90	79	95
105°	90	84	76	68	62	96
115°	62	56	56	48	48	62
125°	39	34	37	31	34	35
135°	22	20	20	20	22	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



TEST NUMBER: P384307

CATALOG NUMBER: 22ID-55-L835-CFD2

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1718.0	1718.0	1718.0	1718.0	1718.0
2.5°	1718.0	1715.2	1715.2	1715.2	1715.2
5°	1712.4	1709.6	1709.6	1706.8	1706.8
7.5°	1709.6	1704.0	1701.2	1698.4	1698.4
10°	1701.2	1695.5	1689.9	1684.3	1684.3
12.5°	1689.9	1684.3	1675.9	1664.6	1664.6
15°	1675.9	1667.4	1656.2	1644.9	1639.3
17.5°	1659.0	1650.6	1633.7	1616.8	1611.2
20°	1636.5	1625.3	1608.4	1585.9	1580.3
22.5°	1611.2	1599.9	1574.6	1552.1	1540.9
25°	1583.1	1569.0	1540.9	1512.8	1501.5
27.5°	1549.3	1535.3	1504.3	1470.6	1456.5
30°	1512.8	1495.9	1462.2	1425.6	1408.7
32.5°	1473.4	1453.7	1417.2	1377.8	1360.9
35°	1431.2	1411.6	1372.2	1330.0	1310.3
37.5°	1386.2	1366.6	1324.4	1279.4	1259.7
40°	1335.6	1315.9	1271.0	1226.0	1203.5
42.5°	1282.2	1265.3	1220.3	1172.5	1150.0
45°	1231.6	1209.1	1164.1	1116.3	1096.6
47.5°	1172.5	1155.7	1107.9	1060.1	1037.6
50°	1116.3	1096.6	1051.6	1003.8	978.5
52.5°	1057.3	1040.4	992.6	944.8	922.3
55°	998.2	975.7	930.7	885.7	863.2
57.5°	936.3	916.7	871.7	829.5	801.4
60°	874.5	854.8	807.0	767.6	736.7
62.5°	815.4	792.9	742.3	700.2	674.8
65°	753.6	725.5	674.8	638.3	613.0
67.5°	694.5	660.8	610.2	576.4	551.1
70°	638.3	598.9	548.3	514.6	489.3
72.5°	582.1	534.3	480.8	449.9	427.4
75°	525.8	472.4	419.0	388.0	365.5
77.5°	469.6	407.7	354.3	329.0	306.5
80°	402.1	343.0	292.4	269.9	247.4
82.5°	326.2	278.4	236.2	213.7	196.8
85°	253.1	219.3	185.6	168.7	151.8
87.5°	196.8	171.5	146.2	132.2	118.1
90°	151.8	137.8	118.1	106.9	90.0
92.5°	132.2	120.9	106.9	95.6	81.5
95°	120.9	112.5	101.2	90.0	78.7
97.5°	109.7	104.0	92.8	84.4	73.1
100°	104.0	95.6	87.2	78.7	70.3
102.5°	98.4	90.0	81.5	73.1	67.5
105°	90.0	84.4	75.9	67.5	61.9
107.5°	84.4	75.9	70.3	61.9	59.0
110°	75.9	70.3	64.7	59.0	56.2



TEST NUMBER: P384307

CATALOG NUMBER: 22ID-55-L835-CFD2

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	67.5	64.7	59.0	53.4	50.6
115°	61.9	56.2	56.2	47.8	47.8
117.5°	56.2	50.6	50.6	45.0	45.0
120°	47.8	45.0	45.0	39.4	39.4
122.5°	42.2	39.4	39.4	36.6	36.6
125°	39.4	33.7	36.6	30.9	33.7
127.5°	33.7	30.9	30.9	28.1	30.9
130°	28.1	25.3	25.3	25.3	28.1
132.5°	25.3	22.5	22.5	22.5	25.3
135°	22.5	19.7	19.7	19.7	22.5
137.5°	19.7	16.9	14.1	16.9	19.7
140°	16.9	14.1	11.2	14.1	16.9
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)