

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: P384298

Luminaire Tested: **22ID-45-L830-CFD2**

Issue Date: 2/25/2020

Test Information

Test Method: LM-79-08
Report Number: P384298
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-45-L830-CFD2
Description: 2X2 IN DEPTH TROFFER WITH 2INCH DROP CUBE LENS

Light Source: -
Ballast/Driver: -

Summary

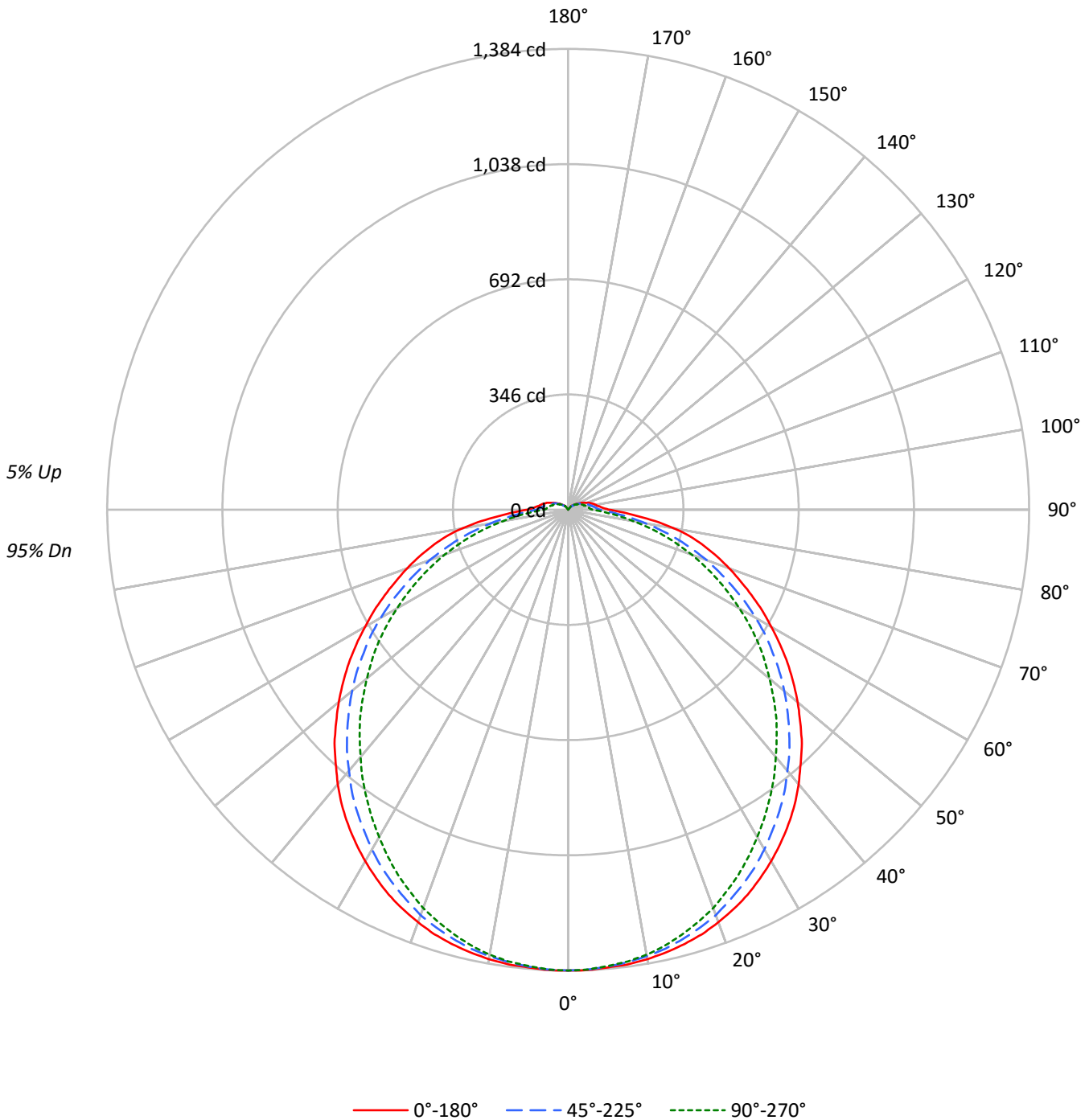
Lumens per Lamp: N/A
Luminaire Lumens: 4489.3 lumens
Efficiency: N/A
Efficacy: 120.7 lumens/watt
Spacing Criteria (0/90/45): 1.31 / 1.22 / 1.38
Luminous Opening: Rectangular w/ Sides (W: 2' x L: 2' x H: 0.17')
CIE Type: Direct

Input Watts (W): 37.2
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°	3725	3725	3725
5°	3700	3682	3688
10°	3691	3645	3654
15°	3679	3603	3599
20°	3664	3558	3538
25°	3645	3494	3457
30°	3613	3427	3365
35°	3579	3355	3277
40°	3533	3273	3183
45°	3485	3193	3104
50°	3425	3110	3002
55°	3372	3011	2916
60°	3313	2906	2791
65°	3280	2764	2668
70°	3292	2625	2524
75°	3359	2437	2336
80°	3408	2188	2098
85°	3224	1967	1934



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	131.0	2.9
10°-20°	376.7	8.4
20°-30°	572.2	12.7
30°-40°	691.1	15.4
40°-50°	723.3	16.1
50°-60°	671.2	15.0
60°-70°	543.7	12.1
70°-80°	366.9	8.2
80°-90°	177.3	3.9
90°-100°	89.2	2.0
100°-110°	64.8	1.4
110°-120°	43.3	1.0
120°-130°	25.1	0.6
130°-140°	12.7	0.3
140°-150°	1.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	1079.9	24.1
0°-40°	1771.0	39.4
0°-60°	3165.5	70.5
0°-90°	4253.3	94.7
90°-120°	197.3	4.4
90°-150°	236.0	5.3
90°-180°	236.0	5.3
0°-180°	4489.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1384	1384	1384	1384	1384	
5°	1380	1377	1377	1375	1375	131
15°	1350	1343	1334	1325	1321	381
25°	1275	1264	1241	1219	1210	588
35°	1153	1137	1106	1072	1056	721
45°	992	974	938	899	884	764
55°	804	786	750	714	696	719
65°	607	584	544	514	494	603
75°	424	381	338	313	294	446
85°	204	177	150	136	122	193
90°	122	111	95	86	72	70
95°	97	91	82	72	63	77
105°	72	68	61	54	50	77
115°	50	45	45	38	38	50
125°	32	27	29	25	27	28
135°	18	16	16	16	18	14
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



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1384.1	1384.1	1384.1	1384.1	1384.1
2.5°	1384.1	1381.9	1381.9	1381.9	1381.9
5°	1379.6	1377.3	1377.3	1375.1	1375.1
7.5°	1377.3	1372.8	1370.5	1368.3	1368.3
10°	1370.5	1366.0	1361.5	1357.0	1357.0
12.5°	1361.5	1357.0	1350.2	1341.1	1341.1
15°	1350.2	1343.4	1334.3	1325.2	1320.7
17.5°	1336.6	1329.8	1316.2	1302.6	1298.1
20°	1318.4	1309.4	1295.8	1277.7	1273.1
22.5°	1298.1	1289.0	1268.6	1250.5	1241.4
25°	1275.4	1264.1	1241.4	1218.8	1209.7
27.5°	1248.2	1236.9	1212.0	1184.8	1173.5
30°	1218.8	1205.2	1178.0	1148.5	1134.9
32.5°	1187.0	1171.2	1141.7	1110.0	1096.4
35°	1153.1	1137.2	1105.5	1071.5	1055.7
37.5°	1116.8	1101.0	1067.0	1030.7	1014.9
40°	1076.0	1060.2	1023.9	987.7	969.6
42.5°	1033.0	1019.4	983.2	944.7	926.5
45°	992.2	974.1	937.9	899.3	883.5
47.5°	944.7	931.1	892.6	854.0	835.9
50°	899.3	883.5	847.2	808.7	788.3
52.5°	851.8	838.2	799.7	761.2	743.0
55°	804.2	786.1	749.8	713.6	695.5
57.5°	754.4	738.5	702.3	668.3	645.6
60°	704.5	688.7	650.2	618.4	593.5
62.5°	657.0	638.8	598.1	564.1	543.7
65°	607.1	584.5	543.7	514.2	493.8
67.5°	559.5	532.4	491.6	464.4	444.0
70°	514.2	482.5	441.7	414.6	394.2
72.5°	468.9	430.4	387.4	362.5	344.3
75°	423.6	380.6	337.5	312.6	294.5
77.5°	378.3	328.5	285.4	265.0	246.9
80°	323.9	276.4	235.6	217.5	199.4
82.5°	262.8	224.3	190.3	172.2	158.6
85°	203.9	176.7	149.5	135.9	122.3
87.5°	158.6	138.2	117.8	106.5	95.1
90°	122.3	111.0	95.1	86.1	72.5
92.5°	106.5	97.4	86.1	77.0	65.7
95°	97.4	90.6	81.6	72.5	63.4
97.5°	88.3	83.8	74.8	68.0	58.9
100°	83.8	77.0	70.2	63.4	56.6
102.5°	79.3	72.5	65.7	58.9	54.4
105°	72.5	68.0	61.2	54.4	49.8
107.5°	68.0	61.2	56.6	49.8	47.6
110°	61.2	56.6	52.1	47.6	45.3



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	54.4	52.1	47.6	43.0	40.8
115°	49.8	45.3	45.3	38.5	38.5
117.5°	45.3	40.8	40.8	36.2	36.2
120°	38.5	36.2	36.2	31.7	31.7
122.5°	34.0	31.7	31.7	29.4	29.4
125°	31.7	27.2	29.4	24.9	27.2
127.5°	27.2	24.9	24.9	22.7	24.9
130°	22.7	20.4	20.4	20.4	22.7
132.5°	20.4	18.1	18.1	18.1	20.4
135°	18.1	15.9	15.9	15.9	18.1
137.5°	15.9	13.6	11.3	13.6	15.9
140°	13.6	11.3	9.1	11.3	13.6
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)