

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: P384297

Luminaire Tested: **22ID-40-L850-CFD2**

Issue Date: 2/25/2020

Test Information

Test Method: LM-79-08
Report Number: P384297
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-40-L850-CFD2
Description: 2X2 IN DEPTH TROFFER WITH 2INCH DROP CUBE LENS

Light Source: -
Ballast/Driver: -

Summary

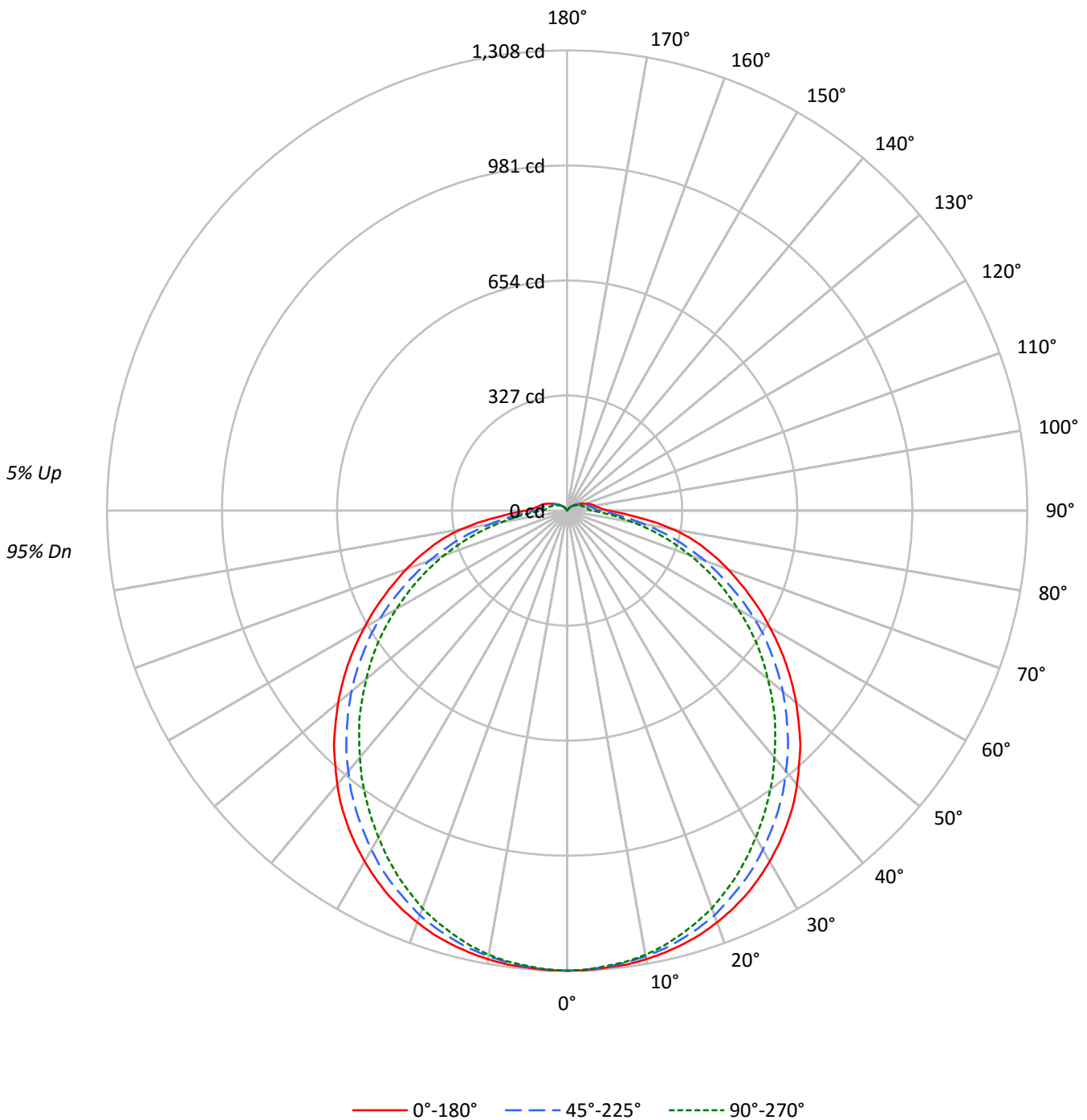
Lumens per Lamp: N/A
Luminaire Lumens: 4241.7 lumens
Efficiency: N/A
Efficacy: 129.7 lumens/watt
Spacing Criteria (0/90/45): 1.31 / 1.22 / 1.38
Luminous Opening: Rectangular w/ Sides (W: 2' x L: 2' x H: 0.17')
CIE Type: Direct

Input Watts (W): 32.7
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°	3519	3519	3519
5°	3496	3480	3484
10°	3487	3444	3453
15°	3476	3405	3401
20°	3462	3362	3343
25°	3444	3301	3267
30°	3414	3238	3179
35°	3382	3170	3096
40°	3338	3093	3008
45°	3293	3017	2933
50°	3236	2939	2837
55°	3186	2845	2755
60°	3131	2746	2638
65°	3099	2611	2521
70°	3111	2481	2384
75°	3175	2303	2207
80°	3221	2068	1983
85°	3046	1859	1828



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	123.8	2.9
10°-20°	355.9	8.4
20°-30°	540.6	12.7
30°-40°	653.0	15.4
40°-50°	683.4	16.1
50°-60°	634.2	15.0
60°-70°	513.7	12.1
70°-80°	346.6	8.2
80°-90°	167.5	3.9
90°-100°	84.2	2.0
100°-110°	61.2	1.4
110°-120°	40.9	1.0
120°-130°	23.7	0.6
130°-140°	12.0	0.3
140°-150°	0.9	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	1020.3	24.1
0°-40°	1673.3	39.4
0°-60°	2990.9	70.5
0°-90°	4018.7	94.7
90°-120°	186.4	4.4
90°-150°	223.0	5.3
90°-180°	223.0	5.3
0°-180°	4241.7	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1308	1308	1308	1308	1308	
5°	1304	1301	1301	1299	1299	124
15°	1276	1269	1261	1252	1248	360
25°	1205	1194	1173	1152	1143	555
35°	1090	1074	1044	1012	997	682
45°	938	920	886	850	835	722
55°	760	743	708	674	657	679
65°	574	552	514	486	467	569
75°	400	360	319	295	278	422
85°	193	167	141	128	116	182
90°	116	105	90	81	68	66
95°	92	86	77	68	60	72
105°	68	64	58	51	47	73
115°	47	43	43	36	36	47
125°	30	26	28	24	26	26
135°	17	15	15	15	17	13
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°	1307.8	1307.8	1307.8	1307.8	1307.8
2.5°	1307.8	1305.7	1305.7	1305.7	1305.7
5°	1303.5	1301.4	1301.4	1299.2	1299.2
7.5°	1301.4	1297.1	1295.0	1292.8	1292.8
10°	1295.0	1290.7	1286.4	1282.1	1282.1
12.5°	1286.4	1282.1	1275.7	1267.1	1267.1
15°	1275.7	1269.3	1260.7	1252.1	1247.9
17.5°	1262.8	1256.4	1243.6	1230.7	1226.5
20°	1245.7	1237.2	1224.3	1207.2	1202.9
22.5°	1226.5	1217.9	1198.6	1181.5	1172.9
25°	1205.1	1194.4	1172.9	1151.5	1143.0
27.5°	1179.4	1168.7	1145.1	1119.4	1108.7
30°	1151.5	1138.7	1113.0	1085.2	1072.3
32.5°	1121.6	1106.6	1078.8	1048.8	1036.0
35°	1089.5	1074.5	1044.5	1012.4	997.4
37.5°	1055.2	1040.2	1008.1	973.9	958.9
40°	1016.7	1001.7	967.5	933.2	916.1
42.5°	976.0	963.2	928.9	892.6	875.4
45°	937.5	920.4	886.1	849.7	834.8
47.5°	892.6	879.7	843.3	806.9	789.8
50°	849.7	834.8	800.5	764.1	744.9
52.5°	804.8	792.0	755.6	719.2	702.1
55°	759.8	742.7	708.5	674.2	657.1
57.5°	712.8	697.8	663.5	631.4	610.0
60°	665.7	650.7	614.3	584.3	560.8
62.5°	620.7	603.6	565.1	533.0	513.7
65°	573.6	552.2	513.7	485.9	466.6
67.5°	528.7	503.0	464.5	438.8	419.5
70°	485.9	455.9	417.4	391.7	372.4
72.5°	443.1	406.7	366.0	342.5	325.3
75°	400.3	359.6	318.9	295.4	278.3
77.5°	357.4	310.4	269.7	250.4	233.3
80°	306.1	261.1	222.6	205.5	188.4
82.5°	248.3	211.9	179.8	162.7	149.8
85°	192.6	167.0	141.3	128.4	115.6
87.5°	149.8	130.6	111.3	100.6	89.9
90°	115.6	104.9	89.9	81.3	68.5
92.5°	100.6	92.0	81.3	72.8	62.1
95°	92.0	85.6	77.1	68.5	59.9
97.5°	83.5	79.2	70.6	64.2	55.7
100°	79.2	72.8	66.4	59.9	53.5
102.5°	74.9	68.5	62.1	55.7	51.4
105°	68.5	64.2	57.8	51.4	47.1
107.5°	64.2	57.8	53.5	47.1	44.9
110°	57.8	53.5	49.2	44.9	42.8



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	51.4	49.2	44.9	40.7	38.5
115°	47.1	42.8	42.8	36.4	36.4
117.5°	42.8	38.5	38.5	34.2	34.2
120°	36.4	34.2	34.2	30.0	30.0
122.5°	32.1	30.0	30.0	27.8	27.8
125°	30.0	25.7	27.8	23.5	25.7
127.5°	25.7	23.5	23.5	21.4	23.5
130°	21.4	19.3	19.3	19.3	21.4
132.5°	19.3	17.1	17.1	17.1	19.3
135°	17.1	15.0	15.0	15.0	17.1
137.5°	15.0	12.8	10.7	12.8	15.0
140°	12.8	10.7	8.6	10.7	12.8
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)