

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: P384633

Luminaire Tested: **22ID-40-L850-CFD3**

Issue Date: 2/25/2020

Test Information

Test Method: LM-79-08
Report Number: P384633
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1911-572-69)
Test Lab: INNOVATION CENTER (G2)
Issue Date: 2/25/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 22ID-40-L850-CFD3
Description: 2X2 IN DEPTH TROFFER WITH 3INCH DROP CUBE LENS

Light Source: -
Ballast/Driver: -

Summary

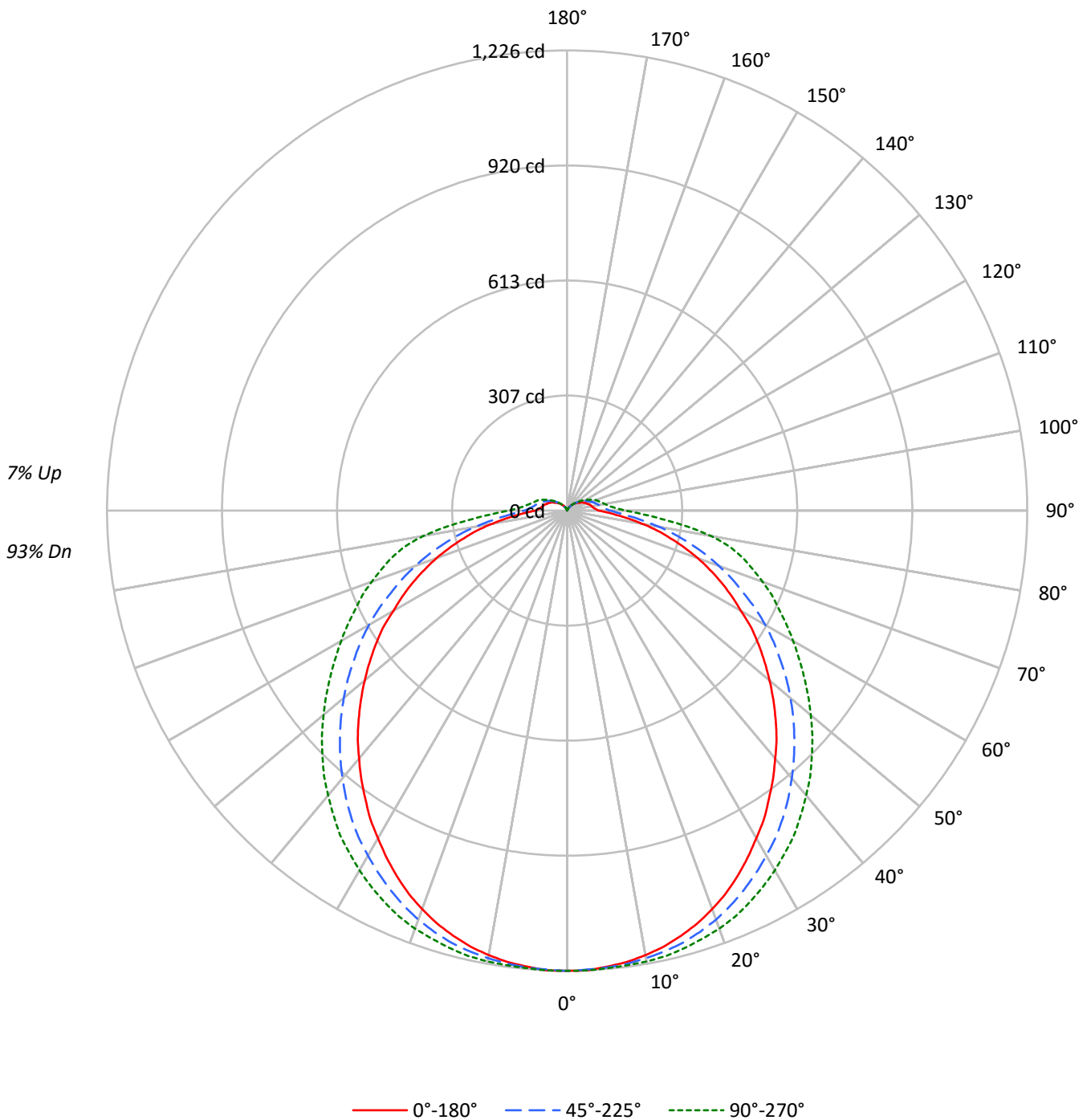
Lumens per Lamp: N/A
Luminaire Lumens: 4290.9 lumens
Efficiency: N/A
Efficacy: 131.2 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.34 / 1.41
Luminous Opening: Rectangular w/ Sides (W: 2' x L: 2' x H: 0.25')
CIE Type: Direct

Input Watts (W): 32.7
Input Voltage (V): NR
Input Current (A_{in}): 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	117	117	117	117	114	114	114	114	107	107	107	101	101	101	95	95	95	93
1	105	100	95	91	102	97	93	89	91	88	84	86	83	80	81	79	77	74
2	95	86	79	73	92	84	77	71	79	73	68	74	70	66	70	67	63	60
3	86	75	66	60	83	73	65	59	69	62	57	65	59	55	62	57	53	50
4	79	66	57	50	76	64	56	49	61	54	48	58	51	46	55	49	45	42
5	72	59	50	43	70	57	49	42	54	47	41	52	45	40	49	43	39	36
6	67	53	44	37	64	52	43	37	49	41	36	47	40	35	44	39	34	32
7	62	48	39	33	60	47	38	32	44	37	31	42	36	31	40	35	30	28
8	57	44	35	29	55	43	34	29	41	33	28	39	32	27	37	31	27	25
9	54	40	32	26	52	39	31	26	37	30	25	36	29	25	34	28	24	22
10	50	37	29	23	49	36	28	23	35	28	23	33	27	22	32	26	22	20

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	3300	3300	3300
5°	3259	3250	3271
10°	3215	3210	3261
15°	3161	3170	3253
20°	3095	3121	3247
25°	3014	3058	3230
30°	2921	2993	3206
35°	2831	2928	3187
40°	2742	2848	3150
45°	2657	2768	3120
50°	2565	2686	3088
55°	2479	2597	3067
60°	2367	2513	3077
65°	2278	2391	3127
70°	2168	2278	3246
75°	2018	2118	3429
80°	1844	1921	3532
85°	1659	1685	3183



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	116.3	2.7
10°-20°	336.0	7.8
20°-30°	513.3	12.0
30°-40°	624.8	14.6
40°-50°	660.4	15.4
50°-60°	623.4	14.5
60°-70°	524.5	12.2
70°-80°	378.1	8.8
80°-90°	199.4	4.6
90°-100°	106.7	2.5
100°-110°	81.1	1.9
110°-120°	58.8	1.4
120°-130°	36.9	0.9
130°-140°	20.0	0.5
140°-150°	8.7	0.2
150°-160°	2.3	0.1
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-30°	965.6	22.5
0°-40°	1590.4	37.1
0°-60°	2874.3	67.0
0°-90°	3976.3	92.7
90°-120°	246.6	5.7
90°-150°	312.2	7.3
90°-180°	315.0	7.3
0°-180°	4290.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1226	1226	1226	1226	1226	
5°	1220	1220	1222	1222	1224	116
15°	1173	1177	1192	1200	1207	331
25°	1074	1087	1115	1141	1151	495
35°	937	959	1002	1040	1055	587
45°	785	809	856	903	922	606
55°	623	650	693	745	770	557
65°	454	479	518	582	623	448
75°	285	308	338	404	484	302
85°	130	148	165	205	250	122
90°	84	98	113	135	154	48
95°	73	84	96	109	118	58
105°	62	68	77	86	90	65
115°	49	54	60	64	68	49
125°	36	36	43	43	45	33
135°	26	24	26	26	28	19
145°	15	13	13	13	15	10
155°	6	6	2	4	6	3
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°	1226.2	1226.2	1226.2	1226.2	1226.2
2.5°	1226.2	1224.0	1224.0	1224.0	1226.2
5°	1219.8	1219.8	1221.9	1221.9	1224.0
7.5°	1213.3	1213.3	1217.6	1219.8	1221.9
10°	1202.6	1204.8	1211.2	1215.5	1219.8
12.5°	1189.8	1191.9	1202.6	1211.2	1215.5
15°	1172.7	1177.0	1191.9	1200.5	1206.9
17.5°	1153.4	1159.8	1177.0	1189.8	1196.2
20°	1129.9	1138.4	1159.8	1177.0	1185.5
22.5°	1104.2	1112.8	1138.4	1159.8	1170.5
25°	1074.3	1087.1	1114.9	1140.6	1151.3
27.5°	1042.2	1057.1	1089.2	1119.2	1129.9
30°	1007.9	1025.0	1061.4	1093.5	1106.4
32.5°	975.8	992.9	1033.6	1067.8	1080.7
35°	937.3	958.7	1001.5	1040.0	1055.0
37.5°	900.9	922.3	967.3	1007.9	1022.9
40°	862.4	883.8	930.9	975.8	990.8
42.5°	826.0	847.4	894.5	941.6	958.7
45°	785.4	808.9	856.0	903.1	922.3
47.5°	744.7	768.2	817.5	866.7	885.9
50°	704.0	729.7	776.8	826.0	847.4
52.5°	663.4	689.1	736.1	787.5	808.9
55°	622.7	650.5	693.3	744.7	770.4
57.5°	582.1	609.9	652.7	706.2	731.9
60°	535.0	567.1	609.9	665.5	695.5
62.5°	494.3	522.1	564.9	622.7	659.1
65°	453.7	479.3	517.9	582.1	622.7
67.5°	410.9	438.7	475.1	535.0	590.6
70°	370.2	393.7	430.1	492.2	554.2
72.5°	327.4	351.0	385.2	449.4	517.9
75°	284.6	308.2	338.1	404.4	483.6
77.5°	246.1	265.4	293.2	357.4	443.0
80°	203.3	222.6	248.2	306.0	389.5
82.5°	164.8	181.9	203.3	254.7	321.0
85°	130.5	147.7	164.8	205.4	250.4
87.5°	104.9	117.7	134.8	164.8	194.7
90°	83.5	98.4	113.4	134.8	154.1
92.5°	77.0	89.9	102.7	119.8	132.7
95°	72.8	83.5	96.3	109.1	117.7
97.5°	68.5	79.2	89.9	102.7	109.1
100°	66.3	74.9	85.6	96.3	100.6
102.5°	64.2	70.6	81.3	89.9	96.3
105°	62.1	68.5	77.0	85.6	89.9
107.5°	57.8	64.2	72.8	81.3	85.6
110°	55.6	59.9	68.5	74.9	81.3



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	53.5	57.8	64.2	70.6	74.9
115°	49.2	53.5	59.9	64.2	68.5
117.5°	47.1	49.2	55.6	57.8	62.1
120°	42.8	44.9	51.4	53.5	55.6
122.5°	38.5	40.7	47.1	47.1	51.4
125°	36.4	36.4	42.8	42.8	44.9
127.5°	34.2	34.2	38.5	38.5	40.7
130°	30.0	30.0	34.2	34.2	34.2
132.5°	27.8	25.7	30.0	30.0	32.1
135°	25.7	23.5	25.7	25.7	27.8
137.5°	21.4	21.4	23.5	21.4	23.5
140°	19.3	17.1	19.3	19.3	21.4
142.5°	17.1	15.0	17.1	15.0	17.1
145°	15.0	12.8	12.8	12.8	15.0
147.5°	12.8	10.7	10.7	10.7	12.8
150°	10.7	8.6	8.6	8.6	10.7
152.5°	8.6	6.4	4.3	6.4	8.6
155°	6.4	6.4	2.1	4.3	6.4
157.5°	4.3	4.3	0.0	2.1	4.3
160°	2.1	2.1	0.0	2.1	2.1
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)