

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: P384125

Luminaire Tested: **22ID-35-L850-CFD1**

Issue Date: 2/25/2020

Test Information

Test Method: LM-79-08
Report Number: P384125
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1911-572-67)
Test Lab: INNOVATION CENTER (G2)
Issue Date: 2/25/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 22ID-35-L850-CFD1
Description: 2X2 IN DEPTH TROFFER WITH 1INCH DROP CUBE LENS

Light Source: -
Ballast/Driver: -

Summary

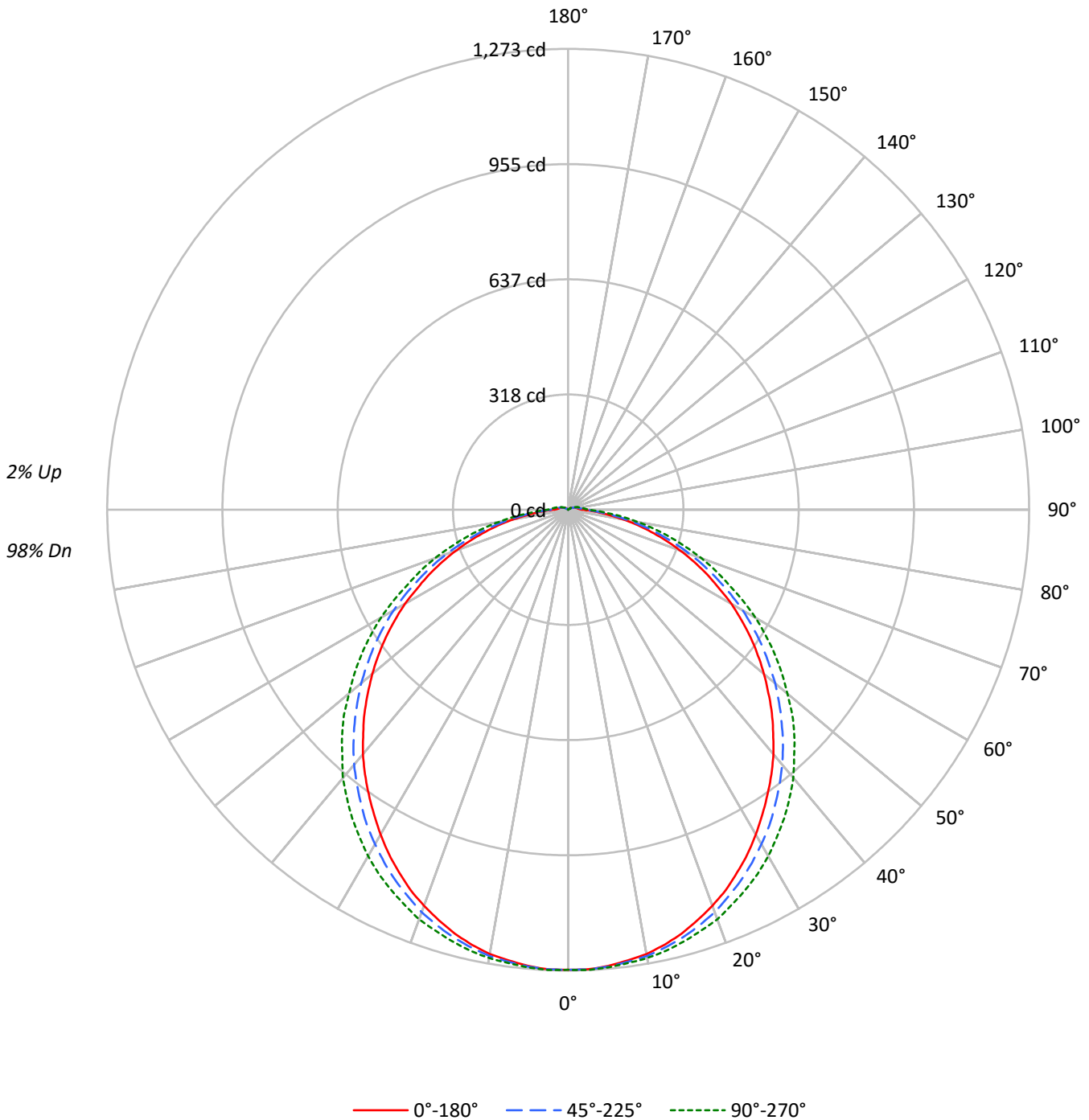
Lumens per Lamp: N/A
Luminaire Lumens: 3764.1 lumens
Efficiency: N/A
Efficacy: 132.5 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.29 / 1.37
Luminous Opening: Rectangular w/ Sides (W: 2' x L: 2' x H: 0.08')
CIE Type: Direct

Input Watts (W): 28.4
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	119	119	119	119	116	116	116	116	110	110	110	105	105	105	100	100	100	98
1	108	103	98	94	105	100	96	92	96	92	89	91	88	86	87	85	83	81
2	98	89	82	76	95	87	81	75	83	78	73	80	75	71	76	73	69	67
3	89	78	70	63	86	76	69	63	73	67	61	70	64	60	67	62	58	56
4	81	69	60	53	79	68	59	53	65	58	52	62	56	51	60	55	50	48
5	75	62	53	46	73	61	52	46	58	51	45	56	49	44	54	48	44	41
6	69	56	47	40	67	55	46	40	52	45	39	51	44	39	49	43	38	36
7	64	50	42	35	62	49	41	35	48	40	35	46	39	34	45	39	34	32
8	60	46	37	32	58	45	37	31	44	36	31	42	36	31	41	35	30	28
9	56	42	34	28	54	41	34	28	40	33	28	39	32	28	38	32	27	26
10	52	39	31	26	51	38	31	26	37	30	25	36	30	25	35	29	25	23

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	3420	3420	3420
5°	3405	3405	3415
10°	3380	3386	3411
15°	3339	3355	3402
20°	3284	3317	3397
25°	3218	3265	3374
30°	3144	3206	3353
35°	3064	3143	3320
40°	2992	3079	3284
45°	2907	2997	3228
50°	2816	2919	3151
55°	2721	2824	3084
60°	2615	2721	2998
65°	2476	2568	2855
70°	2317	2417	2762
75°	2129	2212	2610
80°	1914	1972	2439
85°	1717	1760	2316



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	120.4	3.2
10°-20°	345.0	9.2
20°-30°	520.9	13.8
30°-40°	624.2	16.6
40°-50°	645.3	17.1
50°-60°	584.4	15.5
60°-70°	452.2	12.0
70°-80°	277.8	7.4
80°-90°	110.4	2.9
90°-100°	40.3	1.1
100°-110°	24.7	0.7
110°-120°	12.7	0.3
120°-130°	5.4	0.1
130°-140°	0.4	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	986.3	26.2
0°-40°	1610.5	42.8
0°-60°	2840.2	75.5
0°-90°	3680.6	97.8
90°-120°	77.7	2.1
90°-150°	83.5	2.2
90°-180°	83.0	2.2
0°-180°	3764.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1271	1271	1271	1271	1271	
5°	1265	1265	1267	1267	1269	120
15°	1212	1214	1223	1231	1235	342
25°	1105	1112	1130	1149	1158	509
35°	960	971	996	1023	1040	601
45°	796	805	834	868	884	613
55°	614	628	653	681	696	549
65°	424	433	454	477	488	419
75°	237	248	260	277	290	252
85°	82	88	95	105	111	82
90°	38	44	48	53	57	22
95°	29	32	36	40	44	23
105°	21	21	23	25	27	22
115°	13	11	11	13	15	14
125°	8	6	4	6	8	7
135°	0	0	0	0	0	1
145°	0	0	0	0	0	0
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°	1270.9	1270.9	1270.9	1270.9	1270.9
2.5°	1270.9	1269.0	1270.9	1270.9	1272.8
5°	1265.2	1265.2	1267.1	1267.1	1269.0
7.5°	1255.7	1255.7	1259.5	1261.4	1263.3
10°	1246.1	1246.1	1251.9	1253.8	1257.6
12.5°	1230.9	1232.8	1238.5	1244.2	1248.0
15°	1211.8	1213.7	1223.2	1230.9	1234.7
17.5°	1188.9	1192.7	1204.1	1215.6	1219.4
20°	1164.1	1169.8	1183.2	1196.5	1204.1
22.5°	1137.4	1141.2	1156.4	1173.6	1181.2
25°	1104.9	1112.5	1129.7	1148.8	1158.3
27.5°	1072.5	1080.1	1099.2	1122.1	1133.5
30°	1036.2	1043.8	1066.7	1091.6	1104.9
32.5°	998.0	1007.6	1034.3	1059.1	1072.5
35°	959.9	971.3	996.1	1022.9	1040.0
37.5°	921.7	931.3	958.0	986.6	1003.8
40°	881.6	891.2	919.8	948.4	967.5
42.5°	837.7	849.2	877.8	908.4	923.6
45°	795.8	805.3	833.9	868.3	883.5
47.5°	750.0	763.3	790.0	822.5	839.7
50°	706.1	717.5	746.1	776.7	790.0
52.5°	660.3	671.7	698.4	729.0	744.2
55°	614.5	627.8	652.6	681.3	696.5
57.5°	566.8	580.1	604.9	629.7	646.9
60°	521.0	534.3	557.2	582.0	597.3
62.5°	469.4	480.9	505.7	532.4	543.9
65°	423.6	433.2	454.2	477.1	488.5
67.5°	375.9	387.4	406.5	427.5	440.8
70°	328.2	341.6	356.9	375.9	391.2
72.5°	282.4	293.9	307.2	326.3	339.7
75°	236.6	248.1	259.5	276.7	290.1
77.5°	196.6	202.3	213.7	229.0	242.4
80°	152.7	160.3	169.8	185.1	194.6
82.5°	114.5	122.1	129.8	141.2	150.8
85°	82.1	87.8	95.4	105.0	110.7
87.5°	55.3	61.1	66.8	74.4	80.1
90°	38.2	43.9	47.7	53.4	57.2
92.5°	32.4	36.3	40.1	43.9	47.7
95°	28.6	32.4	36.3	40.1	43.9
97.5°	26.7	28.6	32.4	36.3	38.2
100°	24.8	26.7	28.6	32.4	34.3
102.5°	22.9	22.9	26.7	28.6	30.5
105°	21.0	21.0	22.9	24.8	26.7
107.5°	19.1	19.1	21.0	21.0	24.8
110°	17.2	15.3	17.2	17.2	21.0



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	15.3	13.4	15.3	15.3	17.2
115°	13.4	11.4	11.4	13.4	15.3
117.5°	11.4	9.5	9.5	9.5	13.4
120°	11.4	9.5	7.6	7.6	11.4
122.5°	9.5	7.6	5.7	7.6	9.5
125°	7.6	5.7	3.8	5.7	7.6
127.5°	5.7	5.7	1.9	3.8	5.7
130°	5.7	3.8	1.9	3.8	3.8
132.5°	0.0	0.0	0.0	0.0	0.0
135°	0.0	0.0	0.0	0.0	0.0
137.5°	0.0	0.0	0.0	0.0	0.0
140°	0.0	0.0	0.0	0.0	0.0
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)