

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: P384069

Luminaire Tested: **14ID-35-L850-CFD1**

Issue Date: 2/25/2020

Test Information

Test Method: LM-79-08
Report Number: P384069
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: 14ID-35-L850-CFD1
Description: 1X4 IN DEPTH TROFFER WITH 1INCH DROP CUBE LENS

Light Source: -
Ballast/Driver: -

Summary

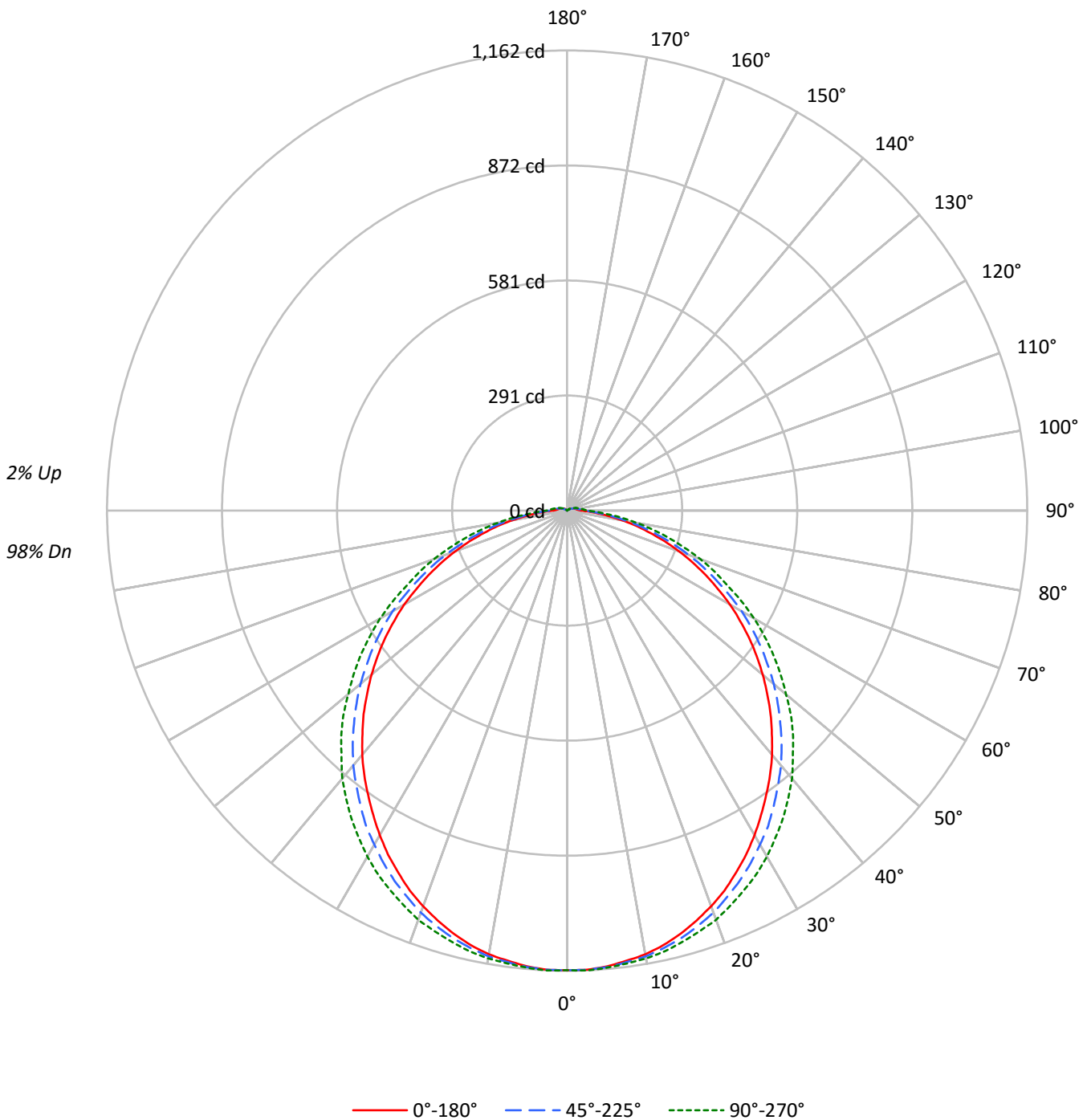
Lumens per Lamp: N/A
Luminaire Lumens: 3437.2 lumens
Efficiency: N/A
Efficacy: 120.6 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.29 / 1.37
Luminous Opening: Rectangular w/ Sides (W: 1' x L: 4' x H: 0.08')
CIE Type: Direct

Input Watts (W): 28.5
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	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°	3123	3123	3123
5°	3115	3106	3108
10°	3098	3083	3093
15°	3065	3052	3072
20°	3021	3013	3056
25°	2967	2961	3023
30°	2905	2903	2991
35°	2838	2842	2948
40°	2780	2779	2901
45°	2709	2699	2834
50°	2634	2622	2747
55°	2556	2530	2667
60°	2471	2429	2565
65°	2358	2280	2410
70°	2230	2133	2287
75°	2085	1933	2101
80°	1932	1696	1870
85°	1868	1460	1599



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	109.9	3.2
10°-20°	315.1	9.2
20°-30°	475.7	13.8
30°-40°	570.0	16.6
40°-50°	589.3	17.1
50°-60°	533.6	15.5
60°-70°	412.9	12.0
70°-80°	253.7	7.4
80°-90°	100.8	2.9
90°-100°	36.8	1.1
100°-110°	22.6	0.7
110°-120°	11.6	0.3
120°-130°	5.0	0.1
130°-140°	0.3	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°	900.7	26.2
0°-40°	1470.6	42.8
0°-60°	2593.6	75.5
0°-90°	3360.9	97.8
90°-120°	71.0	2.1
90°-150°	76.3	2.2
90°-180°	76.0	2.2
0°-180°	3437.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1161	1161	1161	1161	1161	
5°	1155	1155	1157	1157	1159	110
15°	1106	1108	1117	1124	1127	312
25°	1009	1016	1032	1049	1058	465
35°	876	887	910	934	950	549
45°	727	735	762	793	807	560
55°	561	573	596	622	636	501
65°	387	396	415	436	446	383
75°	216	226	237	253	265	230
85°	75	80	87	96	101	75
90°	35	40	44	49	52	21
95°	26	30	33	37	40	21
105°	19	19	21	23	24	20
115°	12	10	10	12	14	12
125°	7	5	4	5	7	6
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°	1160.6	1160.6	1160.6	1160.6	1160.6
2.5°	1160.6	1158.8	1160.6	1160.6	1162.3
5°	1155.3	1155.3	1157.1	1157.1	1158.8
7.5°	1146.6	1146.6	1150.1	1151.8	1153.6
10°	1137.9	1137.9	1143.1	1144.9	1148.4
12.5°	1124.0	1125.7	1130.9	1136.2	1139.6
15°	1106.5	1108.3	1117.0	1124.0	1127.4
17.5°	1085.6	1089.1	1099.6	1110.0	1113.5
20°	1063.0	1068.2	1080.4	1092.6	1099.6
22.5°	1038.6	1042.1	1056.0	1071.7	1078.7
25°	1009.0	1015.9	1031.6	1049.0	1057.7
27.5°	979.3	986.3	1003.7	1024.6	1035.1
30°	946.2	953.2	974.1	996.8	1009.0
32.5°	911.4	920.1	944.5	967.1	979.3
35°	876.5	887.0	909.6	934.0	949.7
37.5°	841.7	850.4	874.8	900.9	916.6
40°	805.1	813.8	839.9	866.1	883.5
42.5°	765.0	775.4	801.6	829.5	843.4
45°	726.7	735.4	761.5	792.9	806.8
47.5°	684.8	697.0	721.4	751.1	766.7
50°	644.8	655.2	681.3	709.2	721.4
52.5°	602.9	613.4	637.8	665.7	679.6
55°	561.1	573.3	596.0	622.1	636.0
57.5°	517.5	529.7	552.4	575.1	590.7
60°	475.7	487.9	508.8	531.5	545.4
62.5°	428.7	439.1	461.8	486.2	496.6
65°	386.9	395.6	414.7	435.6	446.1
67.5°	343.3	353.7	371.2	390.3	402.5
70°	299.7	311.9	325.9	343.3	357.2
72.5°	257.9	268.4	280.6	298.0	310.2
75°	216.1	226.5	237.0	252.7	264.9
77.5°	179.5	184.7	195.2	209.1	221.3
80°	139.4	146.4	155.1	169.0	177.7
82.5°	104.6	111.5	118.5	129.0	137.7
85°	74.9	80.2	87.1	95.8	101.1
87.5°	50.5	55.8	61.0	68.0	73.2
90°	34.9	40.1	43.6	48.8	52.3
92.5°	29.6	33.1	36.6	40.1	43.6
95°	26.1	29.6	33.1	36.6	40.1
97.5°	24.4	26.1	29.6	33.1	34.9
100°	22.7	24.4	26.1	29.6	31.4
102.5°	20.9	20.9	24.4	26.1	27.9
105°	19.2	19.2	20.9	22.7	24.4
107.5°	17.4	17.4	19.2	19.2	22.7
110°	15.7	13.9	15.7	15.7	19.2



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	13.9	12.2	13.9	13.9	15.7
115°	12.2	10.5	10.5	12.2	13.9
117.5°	10.5	8.7	8.7	8.7	12.2
120°	10.5	8.7	7.0	7.0	10.5
122.5°	8.7	7.0	5.2	7.0	8.7
125°	7.0	5.2	3.5	5.2	7.0
127.5°	5.2	5.2	1.7	3.5	5.2
130°	5.2	3.5	1.7	3.5	3.5
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)