

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: P384068

Luminaire Tested: **14ID-35-L840-CFD1**

Issue Date: 2/25/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P384068  
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-L840-CFD1  
Description: 1X4 IN DEPTH TROFFER WITH 1INCH DROP CUBE LENS

Light Source: -  
Ballast/Driver: -

**Summary**

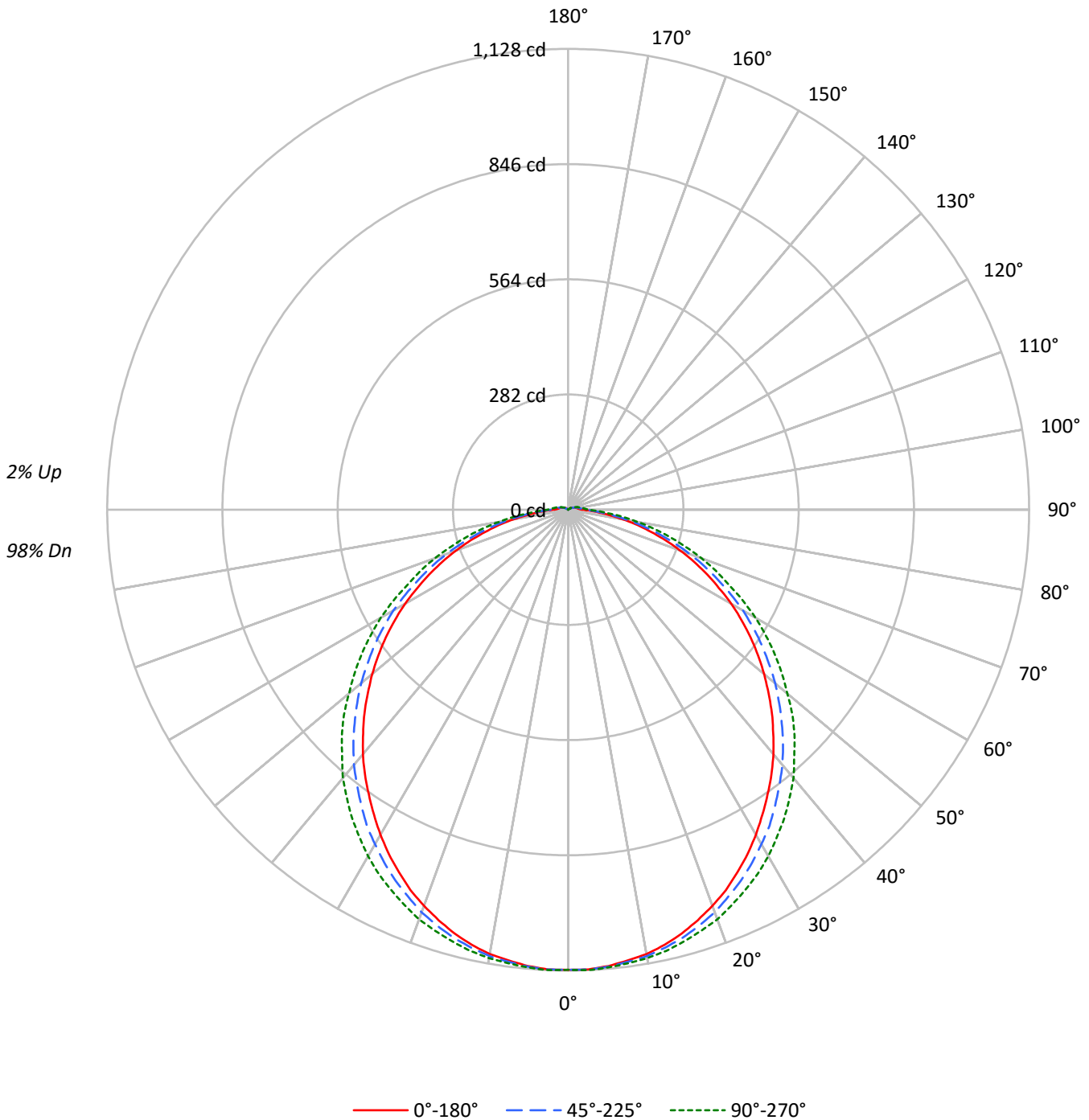
Lumens per Lamp: N/A  
Luminaire Lumens: 3336.1 lumens  
Efficiency: N/A  
Efficacy: 117.1 lumens/watt  
Spacing Criteria (0/90/45): 1.21 / 1.29 / 1.37  
Luminous Opening: Rectangular w/ Sides (W: 1' x L: 4' x H: 0.08')  
CIE Type: Direct

Input Watts (W): 28.5  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): 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°	3031	3031	3031
5°	3023	3014	3016
10°	3007	2993	3002
15°	2975	2962	2982
20°	2932	2924	2966
25°	2880	2874	2934
30°	2820	2818	2903
35°	2754	2758	2861
40°	2698	2697	2815
45°	2629	2620	2751
50°	2556	2545	2667
55°	2481	2455	2588
60°	2398	2358	2490
65°	2289	2213	2339
70°	2165	2070	2220
75°	2023	1876	2039
80°	1875	1645	1816
85°	1813	1418	1552



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	106.7	3.2
10°-20°	305.8	9.2
20°-30°	461.7	13.8
30°-40°	553.2	16.6
40°-50°	571.9	17.1
50°-60°	517.9	15.5
60°-70°	400.8	12.0
70°-80°	246.2	7.4
80°-90°	97.8	2.9
90°-100°	35.7	1.1
100°-110°	21.9	0.7
110°-120°	11.3	0.3
120°-130°	4.8	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°	874.2	26.2
0°-40°	1427.4	42.8
0°-60°	2517.3	75.5
0°-90°	3262.1	97.8
90°-120°	68.9	2.1
90°-150°	74.1	2.2
90°-180°	74.0	2.2
0°-180°	3336.1	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1126	1126	1126	1126	1126	
5°	1121	1121	1123	1123	1125	106
15°	1074	1076	1084	1091	1094	303
25°	979	986	1001	1018	1027	451
35°	851	861	883	906	922	533
45°	705	714	739	770	783	544
55°	545	556	578	604	617	487
65°	376	384	402	423	433	371
75°	210	220	230	245	257	223
85°	73	78	85	93	98	72
90°	34	39	42	47	51	20
95°	25	29	32	36	39	20
105°	19	19	20	22	24	20
115°	12	10	10	12	14	12
125°	7	5	3	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°	1126.4	1126.4	1126.4	1126.4	1126.4
2.5°	1126.4	1124.7	1126.4	1126.4	1128.1
5°	1121.3	1121.3	1123.0	1123.0	1124.7
7.5°	1112.9	1112.9	1116.3	1118.0	1119.7
10°	1104.4	1104.4	1109.5	1111.2	1114.6
12.5°	1090.9	1092.6	1097.7	1102.7	1106.1
15°	1074.0	1075.7	1084.1	1090.9	1094.3
17.5°	1053.7	1057.1	1067.2	1077.4	1080.8
20°	1031.7	1036.8	1048.6	1060.5	1067.2
22.5°	1008.0	1011.4	1024.9	1040.2	1046.9
25°	979.3	986.0	1001.3	1018.2	1026.6
27.5°	950.5	957.3	974.2	994.5	1004.6
30°	918.4	925.2	945.4	967.4	979.3
32.5°	884.6	893.0	916.7	938.7	950.5
35°	850.7	860.9	882.9	906.5	921.8
37.5°	816.9	825.4	849.0	874.4	889.6
40°	781.4	789.8	815.2	840.6	857.5
42.5°	742.5	752.6	778.0	805.1	818.6
45°	705.3	713.7	739.1	769.6	783.1
47.5°	664.7	676.5	700.2	729.0	744.2
50°	625.8	635.9	661.3	688.4	700.2
52.5°	585.2	595.3	619.0	646.1	659.6
55°	544.6	556.4	578.4	603.8	617.3
57.5°	502.3	514.2	536.1	558.1	573.4
60°	461.7	473.6	493.9	515.9	529.4
62.5°	416.1	426.2	448.2	471.9	482.0
65°	375.5	383.9	402.5	422.8	433.0
67.5°	333.2	343.3	360.3	378.9	390.7
70°	290.9	302.7	316.3	333.2	346.7
72.5°	250.3	260.5	272.3	289.2	301.1
75°	209.7	219.9	230.0	245.2	257.1
77.5°	174.2	179.3	189.4	203.0	214.8
80°	135.3	142.1	150.5	164.1	172.5
82.5°	101.5	108.2	115.0	125.2	133.6
85°	72.7	77.8	84.6	93.0	98.1
87.5°	49.0	54.1	59.2	66.0	71.0
90°	33.8	38.9	42.3	47.4	50.7
92.5°	28.8	32.1	35.5	38.9	42.3
95°	25.4	28.8	32.1	35.5	38.9
97.5°	23.7	25.4	28.8	32.1	33.8
100°	22.0	23.7	25.4	28.8	30.4
102.5°	20.3	20.3	23.7	25.4	27.1
105°	18.6	18.6	20.3	22.0	23.7
107.5°	16.9	16.9	18.6	18.6	22.0
110°	15.2	13.5	15.2	15.2	18.6



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	13.5	11.8	13.5	13.5	15.2
115°	11.8	10.1	10.1	11.8	13.5
117.5°	10.1	8.5	8.5	8.5	11.8
120°	10.1	8.5	6.8	6.8	10.1
122.5°	8.5	6.8	5.1	6.8	8.5
125°	6.8	5.1	3.4	5.1	6.8
127.5°	5.1	5.1	1.7	3.4	5.1
130°	5.1	3.4	1.7	3.4	3.4
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)