

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: P383901

Luminaire Tested: **14ID-35-L850-CFR2**

Issue Date: 2/25/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P383901  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1911-572-66)  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 2/25/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: 14ID-35-L850-CFR2  
Description: 1X4 IN DEPTH TROFFER WITH 2INCH RECESSED COFFER LENS

Light Source: -  
Ballast/Driver: -

**Summary**

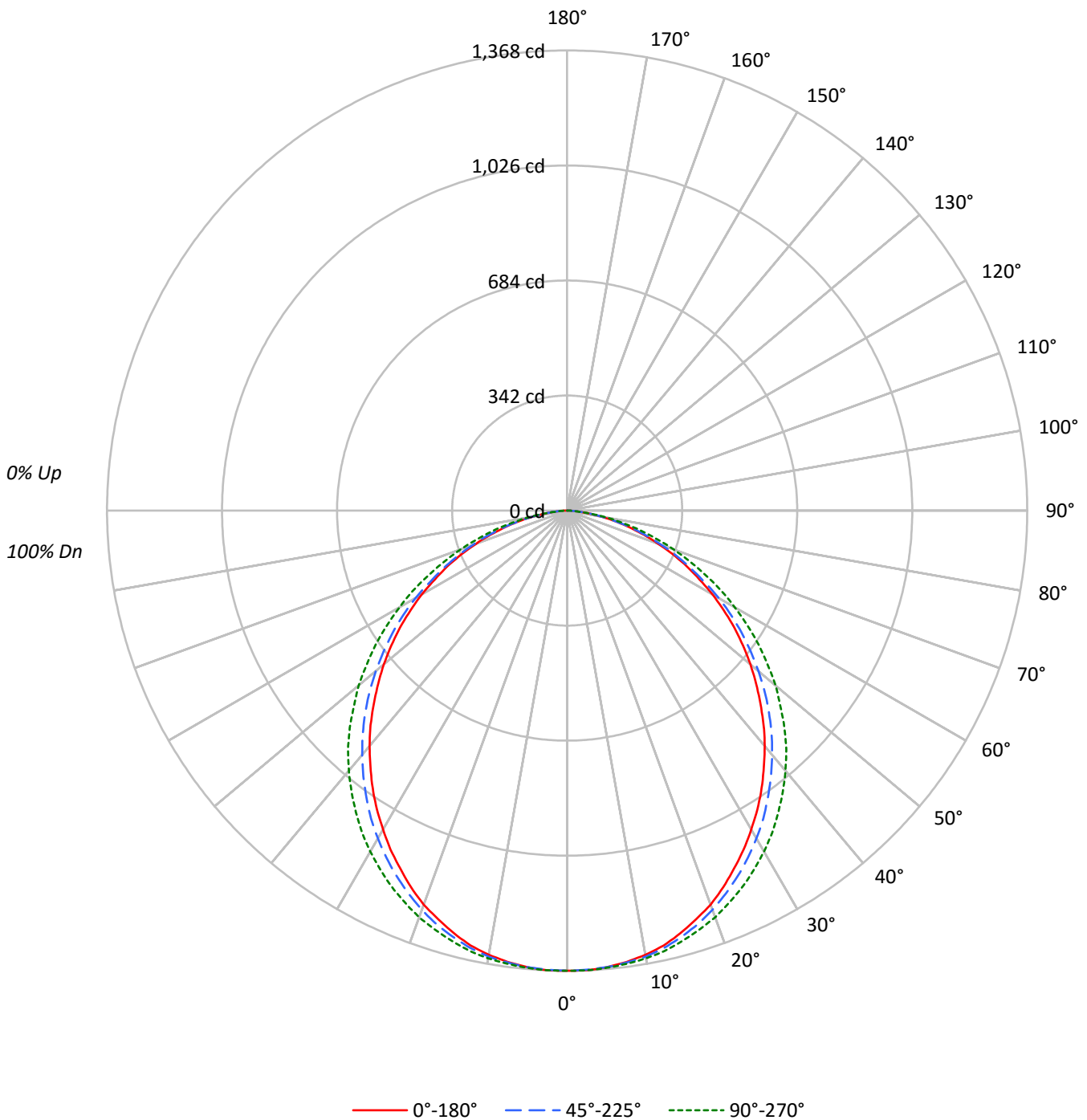
Lumens per Lamp: N/A  
Luminaire Lumens: 3611.2 lumens  
Efficiency: N/A  
Efficacy: 126.7 lumens/watt  
Spacing Criteria (0/90/45): 1.19 / 1.27 / 1.33  
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')  
CIE Type: Direct

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	111	111	111	106	106	106	102	102	102	100
1	109	105	101	97	107	102	99	95	98	95	92	94	92	89	91	89	87	85
2	100	92	85	79	97	90	84	79	86	81	77	83	79	75	80	76	73	71
3	91	81	73	66	89	79	72	66	76	70	65	73	68	64	71	66	62	60
4	83	72	63	57	81	70	62	56	68	61	55	66	60	55	63	58	54	52
5	77	64	55	49	75	63	55	49	61	54	48	59	53	48	57	52	47	45
6	71	58	49	43	69	57	49	43	55	48	42	53	47	42	52	46	41	39
7	66	53	44	38	64	52	44	38	50	43	37	49	42	37	47	41	37	35
8	61	48	40	34	60	47	39	34	46	39	33	45	38	33	44	38	33	31
9	57	44	36	30	56	43	36	30	42	35	30	41	35	30	40	34	30	28
10	54	41	33	28	53	40	33	28	39	32	27	38	32	27	37	31	27	25

**AVERAGE LUMINANCE (cd/sqm):**

	0°	45°	90°
0°	3681	3681	3681
5°	3680	3680	3686
10°	3664	3679	3694
15°	3624	3655	3690
20°	3570	3617	3684
25°	3487	3562	3664
30°	3402	3497	3638
35°	3311	3418	3596
40°	3210	3331	3547
45°	3092	3229	3478
50°	2977	3106	3386
55°	2844	2971	3260
60°	2688	2805	3097
65°	2500	2581	2892
70°	2264	2349	2648
75°	1975	2050	2314
80°	1598	1627	1822
85°	951	1062	895



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	129.5	3.6
10°-20°	370.1	10.2
20°-30°	553.7	15.3
30°-40°	654.2	18.1
40°-50°	660.1	18.3
50°-60°	573.2	15.9
60°-70°	411.0	11.4
70°-80°	214.1	5.9
80°-90°	45.2	1.3
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	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°	1053.3	29.2
0°-40°	1707.5	47.3
0°-60°	2940.8	81.4
0°-90°	3611.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3611.2	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1368	1368	1368	1368	1368	
5°	1362	1361	1362	1362	1364	129
15°	1301	1303	1312	1321	1324	367
25°	1174	1182	1200	1223	1234	541
35°	1008	1015	1040	1078	1095	630
45°	812	822	849	892	914	627
55°	606	612	633	675	695	541
65°	393	391	405	436	454	388
75°	190	188	197	212	223	203
85°	31	34	34	31	29	44
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1368.0	1368.0	1368.0	1368.0	1368.0
2.5°	1368.0	1366.2	1366.2	1366.2	1368.0
5°	1362.5	1360.7	1362.5	1362.5	1364.4
7.5°	1353.5	1351.7	1355.3	1357.1	1358.9
10°	1340.8	1340.8	1346.3	1349.9	1351.7
12.5°	1324.5	1324.5	1331.8	1337.2	1340.8
15°	1301.0	1302.8	1311.9	1320.9	1324.5
17.5°	1273.9	1279.3	1290.2	1302.8	1306.4
20°	1246.7	1250.4	1263.0	1279.3	1286.5
22.5°	1212.4	1217.8	1232.3	1254.0	1261.2
25°	1174.4	1181.6	1199.7	1223.2	1234.1
27.5°	1136.4	1141.8	1163.5	1190.6	1203.3
30°	1094.7	1102.0	1125.5	1156.3	1170.7
32.5°	1053.1	1058.5	1085.7	1118.3	1134.5
35°	1007.9	1015.1	1040.5	1078.5	1094.7
37.5°	960.8	969.9	995.2	1035.0	1053.1
40°	913.8	919.2	948.2	988.0	1009.7
42.5°	864.9	872.2	899.3	942.7	964.5
45°	812.5	821.5	848.6	892.1	913.8
47.5°	761.8	770.8	796.2	839.6	859.5
50°	711.1	716.6	741.9	785.3	808.8
52.5°	658.7	664.1	687.6	729.2	750.9
55°	606.2	611.6	633.3	674.9	694.8
57.5°	551.9	555.5	577.2	615.2	635.1
60°	499.4	501.2	521.1	555.5	575.4
62.5°	443.3	445.1	459.6	499.4	517.5
65°	392.7	390.8	405.3	436.1	454.2
67.5°	340.2	340.2	352.8	380.0	394.5
70°	287.7	287.7	298.6	322.1	336.6
72.5°	238.9	238.9	247.9	266.0	276.9
75°	190.0	188.2	197.2	211.7	222.6
77.5°	144.8	144.8	148.4	161.0	168.3
80°	103.1	103.1	105.0	112.2	117.6
82.5°	65.1	65.1	65.1	68.8	70.6
85°	30.8	34.4	34.4	30.8	29.0
87.5°	14.5	14.5	12.7	12.7	12.7
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)