

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: P383783

Luminaire Tested: **22ID-30-L835-CFR1**

Issue Date: 2/25/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P383783  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1911-572-65)  
Test Lab: INNOVATION CENTER (G2)  
Issue Date: 2/25/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: 22ID-30-L835-CFR1  
Description: 2X2 IN DEPTH TROFFER WITH 1INCH RECESSED COFFER LENS

Light Source: -  
Ballast/Driver: -

**Summary**

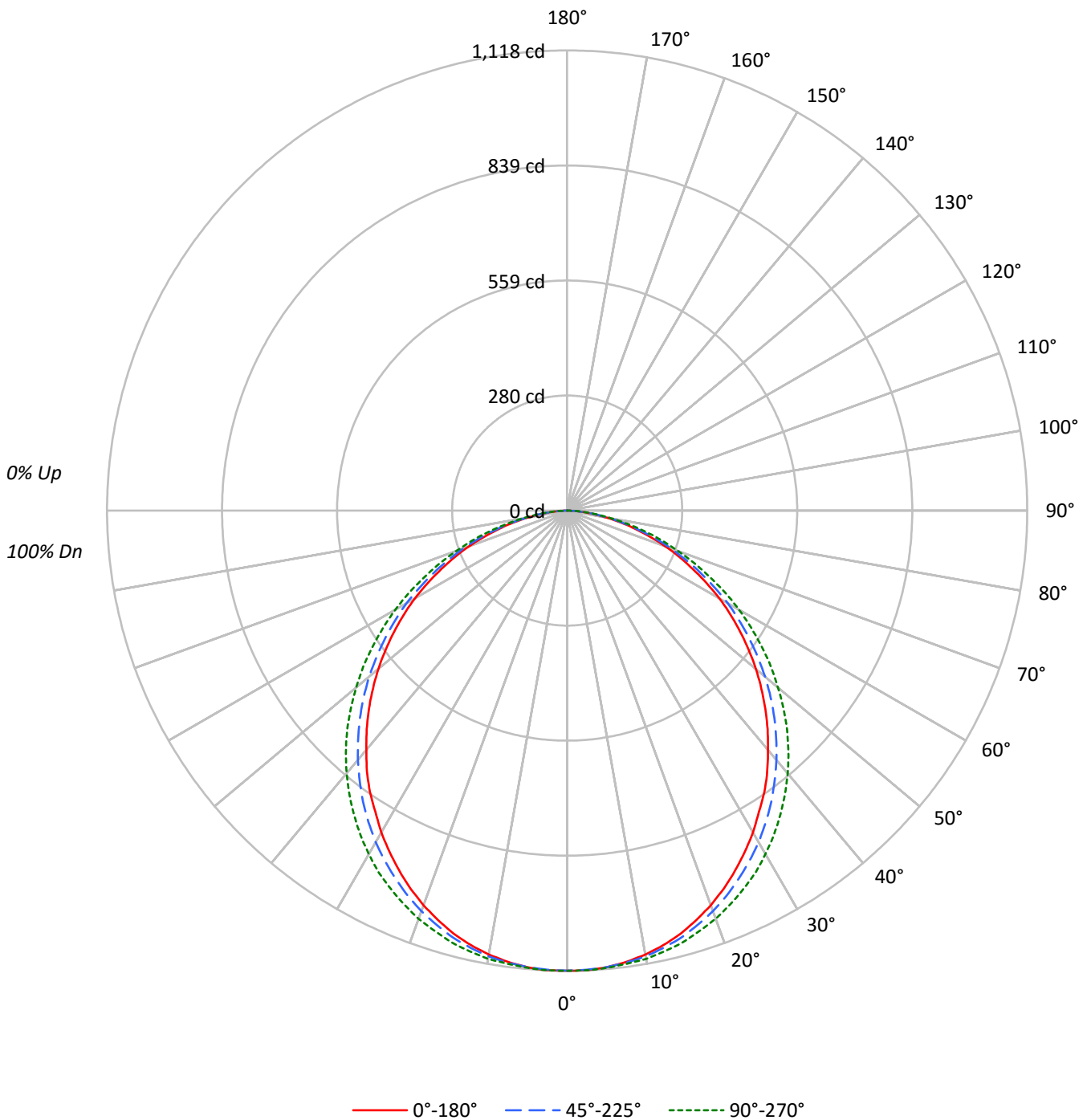
Lumens per Lamp: N/A  
Luminaire Lumens: 3036.4 lumens  
Efficiency: N/A  
Efficacy: 125.5 lumens/watt  
Spacing Criteria (0/90/45): 1.2 / 1.28 / 1.35  
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')  
CIE Type: Direct

Input Watts (W): 24.2  
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	111	111	111	106	106	106	102	102	102	100
1	109	104	100	96	106	102	98	95	98	95	92	94	91	89	90	88	86	84
2	99	91	84	79	97	89	83	78	86	81	76	82	78	74	79	76	73	71
3	91	80	72	66	88	79	71	65	76	69	64	73	67	63	70	66	62	60
4	83	71	62	56	81	70	62	55	67	60	55	65	59	54	63	58	53	51
5	76	64	55	48	74	63	54	48	60	53	47	58	52	47	57	51	46	44
6	71	57	48	42	69	56	48	42	55	47	42	53	46	41	51	45	41	39
7	65	52	43	37	64	51	43	37	50	42	37	48	42	37	47	41	36	34
8	61	47	39	33	59	47	39	33	45	38	33	44	38	33	43	37	32	31
9	57	44	35	30	56	43	35	30	42	35	30	41	34	30	40	34	29	28
10	53	40	32	27	52	40	32	27	39	32	27	38	31	27	37	31	27	25

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

	0°	45°	90°
0°	3009	3009	3009
5°	3008	3008	3012
10°	2992	3005	3022
15°	2966	2991	3025
20°	2922	2966	3022
25°	2866	2930	3011
30°	2805	2890	2995
35°	2745	2840	2965
40°	2667	2779	2929
45°	2592	2708	2877
50°	2506	2628	2801
55°	2408	2530	2708
60°	2302	2425	2597
65°	2149	2276	2431
70°	1995	2103	2247
75°	1779	1874	2033
80°	1491	1562	1705
85°	1133	1133	1272



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	105.8	3.5
10°-20°	302.8	10.0
20°-30°	455.3	15.0
30°-40°	541.6	17.8
40°-50°	551.1	18.1
50°-60°	485.0	16.0
60°-70°	355.8	11.7
70°-80°	193.1	6.4
80°-90°	46.1	1.5
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°	863.9	28.4
0°-40°	1405.4	46.3
0°-60°	2441.5	80.4
0°-90°	3036.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3036.4	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1118	1118	1118	1118	1118	
5°	1113	1112	1113	1113	1115	106
15°	1065	1066	1074	1080	1086	300
25°	965	971	987	1004	1014	445
35°	836	842	864	890	903	522
45°	681	687	712	742	756	525
55°	513	521	539	565	577	459
65°	338	344	357	373	382	335
75°	171	174	180	189	196	182
85°	37	37	37	40	41	44
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1118.0	1118.0	1118.0	1118.0	1118.0
2.5°	1118.0	1116.5	1116.5	1116.5	1118.0
5°	1113.4	1111.9	1113.4	1113.4	1115.0
7.5°	1105.8	1104.3	1107.3	1108.9	1110.4
10°	1095.1	1095.1	1099.7	1102.8	1105.8
12.5°	1081.4	1082.9	1087.5	1092.1	1096.6
15°	1064.6	1066.1	1073.7	1079.8	1086.0
17.5°	1043.2	1046.2	1055.4	1064.6	1070.7
20°	1020.3	1024.9	1035.6	1047.8	1055.4
22.5°	994.3	1000.4	1012.6	1027.9	1035.6
25°	965.3	971.4	986.7	1003.5	1014.2
27.5°	934.7	942.4	959.2	979.0	991.3
30°	902.7	910.3	930.2	951.5	963.8
32.5°	867.5	876.7	898.1	922.5	934.7
35°	835.5	841.6	864.5	890.5	902.7
37.5°	798.8	806.4	827.8	855.3	869.1
40°	759.1	766.7	791.2	818.7	833.9
42.5°	720.9	727.0	751.5	782.0	795.8
45°	681.2	687.3	711.7	742.3	756.0
47.5°	640.0	647.6	670.5	699.5	713.3
50°	598.7	604.8	627.7	655.2	669.0
52.5°	556.0	562.1	583.5	610.9	624.7
55°	513.2	520.8	539.2	565.1	577.3
57.5°	470.4	478.1	494.9	519.3	530.0
60°	427.7	433.8	450.6	472.0	482.6
62.5°	381.8	386.4	403.2	424.6	433.8
65°	337.5	343.7	357.4	372.7	381.8
67.5°	296.3	299.4	311.6	328.4	334.5
70°	253.5	256.6	267.3	281.0	285.6
72.5°	210.8	215.4	223.0	235.2	241.3
75°	171.1	174.1	180.2	189.4	195.5
77.5°	132.9	134.4	139.0	146.6	151.2
80°	96.2	97.8	100.8	106.9	110.0
82.5°	64.1	65.7	67.2	70.3	73.3
85°	36.7	36.7	36.7	39.7	41.2
87.5°	13.7	12.2	12.2	12.2	12.2
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)