

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: P383726

Luminaire Tested: **14ID-30-L830-CFR1**

Issue Date: 2/25/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P383726  
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: 14ID-30-L830-CFR1  
Description: 1X4 IN DEPTH TROFFER WITH 1INCH RECESSED COFFER LENS

Light Source: -  
Ballast/Driver: -

**Summary**

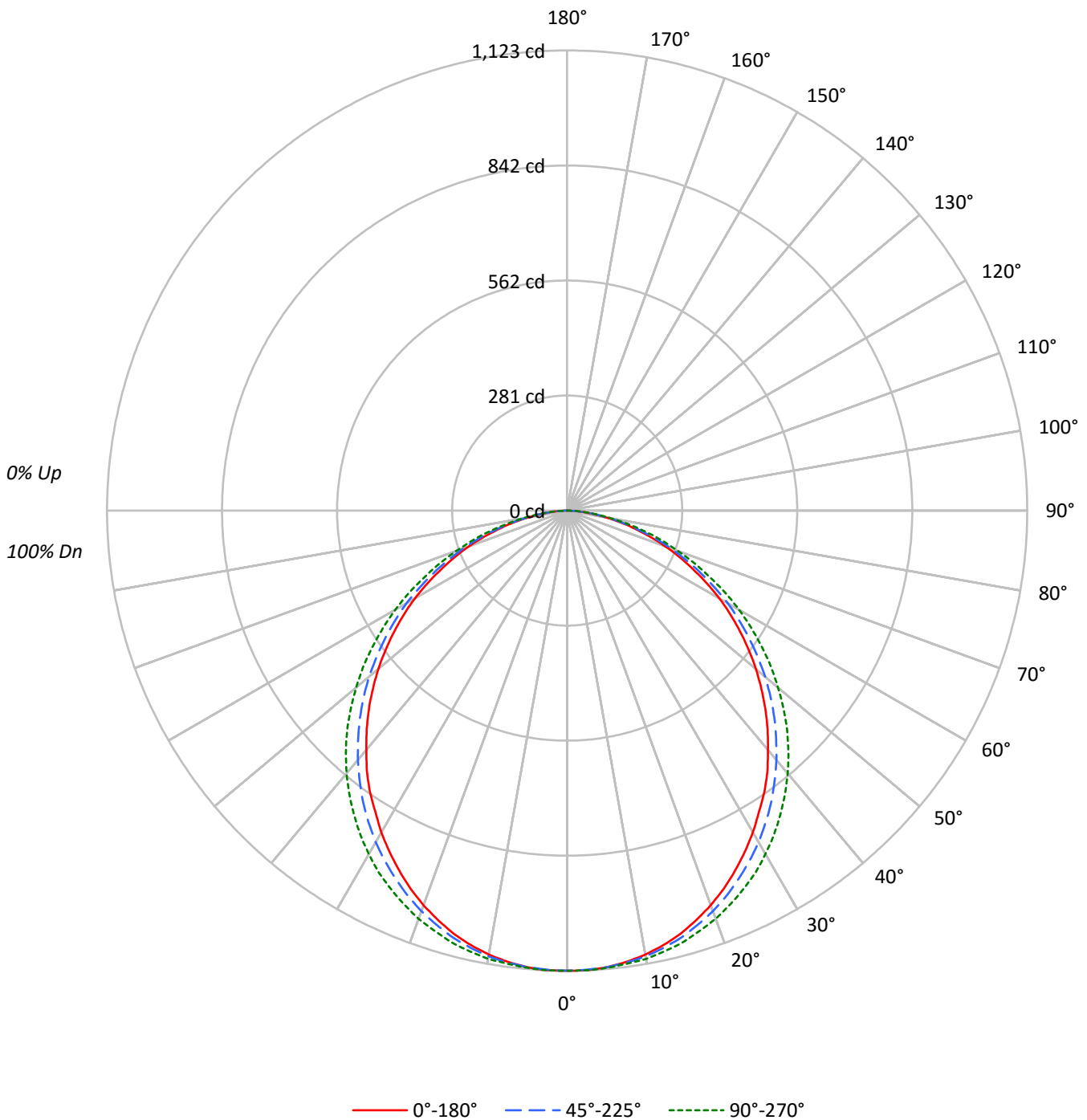
Lumens per Lamp: N/A  
Luminaire Lumens: 3050.0 lumens  
Efficiency: N/A  
Efficacy: 123.0 lumens/watt  
Spacing Criteria (0/90/45): 1.2 / 1.28 / 1.35  
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')  
CIE Type: Direct

Input Watts (W): 24.8  
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°	3022	3022	3022
5°	3021	3021	3025
10°	3006	3018	3035
15°	2979	3005	3039
20°	2935	2979	3036
25°	2879	2943	3025
30°	2817	2903	3008
35°	2757	2853	2979
40°	2679	2792	2943
45°	2604	2721	2890
50°	2518	2640	2813
55°	2419	2541	2721
60°	2312	2436	2609
65°	2159	2286	2443
70°	2004	2113	2257
75°	1786	1882	2042
80°	1499	1570	1712
85°	1136	1136	1278



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	106.3	3.5
10°-20°	304.1	10.0
20°-30°	457.3	15.0
30°-40°	544.0	17.8
40°-50°	553.5	18.1
50°-60°	487.2	16.0
60°-70°	357.4	11.7
70°-80°	194.0	6.4
80°-90°	46.3	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°	867.7	28.4
0°-40°	1411.7	46.3
0°-60°	2452.4	80.4
0°-90°	3050.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3050.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1123	1123	1123	1123	1123	
5°	1118	1117	1118	1118	1120	106
15°	1069	1071	1078	1085	1091	301
25°	970	976	991	1008	1019	447
35°	839	845	868	894	907	524
45°	684	690	715	746	759	527
55°	516	523	542	568	580	461
65°	339	345	359	374	384	337
75°	172	175	181	190	196	183
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°	1123.0	1123.0	1123.0	1123.0	1123.0
2.5°	1123.0	1121.5	1121.5	1121.5	1123.0
5°	1118.4	1116.9	1118.4	1118.4	1120.0
7.5°	1110.8	1109.2	1112.3	1113.8	1115.4
10°	1100.0	1100.0	1104.6	1107.7	1110.8
12.5°	1086.2	1087.7	1092.4	1097.0	1101.6
15°	1069.3	1070.9	1078.5	1084.7	1090.8
17.5°	1047.9	1050.9	1060.1	1069.3	1075.5
20°	1024.8	1029.4	1040.2	1052.5	1060.1
22.5°	998.8	1004.9	1017.2	1032.5	1040.2
25°	969.6	975.8	991.1	1008.0	1018.7
27.5°	938.9	946.6	963.5	983.4	995.7
30°	906.7	914.4	934.3	955.8	968.1
32.5°	871.4	880.6	902.1	926.7	938.9
35°	839.2	845.3	868.4	894.4	906.7
37.5°	802.4	810.1	831.5	859.2	873.0
40°	762.5	770.2	794.7	822.3	837.7
42.5°	724.1	730.3	754.8	785.5	799.3
45°	684.3	690.4	714.9	745.6	759.4
47.5°	642.8	650.5	673.5	702.7	716.5
50°	601.4	607.5	630.6	658.2	672.0
52.5°	558.4	564.6	586.1	613.7	627.5
55°	515.5	523.2	541.6	567.7	579.9
57.5°	472.5	480.2	497.1	521.6	532.4
60°	429.6	435.7	452.6	474.1	484.8
62.5°	383.6	388.2	405.0	426.5	435.7
65°	339.1	345.2	359.0	374.3	383.6
67.5°	297.6	300.7	313.0	329.9	336.0
70°	254.7	257.7	268.5	282.3	286.9
72.5°	211.7	216.3	224.0	236.3	242.4
75°	171.8	174.9	181.0	190.2	196.4
77.5°	133.5	135.0	139.6	147.3	151.9
80°	96.7	98.2	101.3	107.4	110.5
82.5°	64.4	66.0	67.5	70.6	73.6
85°	36.8	36.8	36.8	39.9	41.4
87.5°	13.8	12.3	12.3	12.3	12.3
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)