

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: P383895

Luminaire Tested: **14ID-30-L835-CFR2**

Issue Date: 2/25/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P383895  
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-30-L835-CFR2  
Description: 1X4 IN DEPTH TROFFER WITH 2INCH RECESSED COFFER LENS

Light Source: -  
Ballast/Driver: -

**Summary**

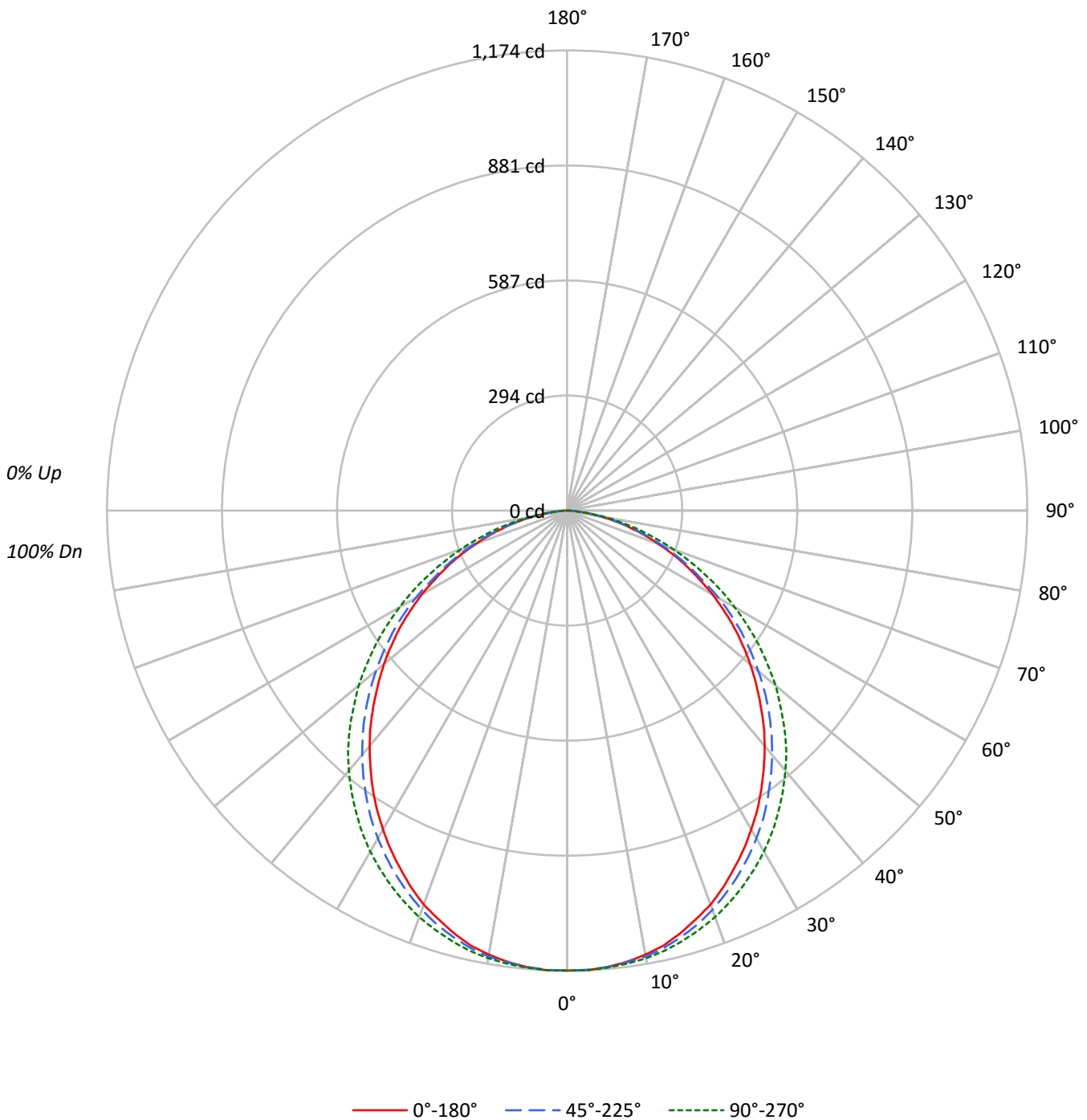
Lumens per Lamp: N/A  
Luminaire Lumens: 3098.4 lumens  
Efficiency: N/A  
Efficacy: 124.9 lumens/watt  
Spacing Criteria (0/90/45): 1.19 / 1.27 / 1.33  
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')  
CIE Type: Direct

Input Watts (W): 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	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°	3158	3158	3158
5°	3158	3158	3162
10°	3143	3156	3169
15°	3110	3136	3166
20°	3063	3103	3161
25°	2992	3056	3144
30°	2919	3001	3121
35°	2841	2933	3086
40°	2754	2858	3043
45°	2653	2771	2984
50°	2554	2665	2905
55°	2440	2549	2797
60°	2306	2406	2657
65°	2145	2215	2481
70°	1943	2016	2272
75°	1695	1759	1986
80°	1371	1395	1564
85°	815	911	766



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	111.1	3.6
10°-20°	317.6	10.2
20°-30°	475.1	15.3
30°-40°	561.3	18.1
40°-50°	566.3	18.3
50°-60°	491.8	15.9
60°-70°	352.7	11.4
70°-80°	183.7	5.9
80°-90°	38.8	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°	903.8	29.2
0°-40°	1465.0	47.3
0°-60°	2523.2	81.4
0°-90°	3098.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3098.4	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1174	1174	1174	1174	1174	
5°	1169	1168	1169	1169	1171	111
15°	1116	1118	1126	1133	1136	315
25°	1008	1014	1029	1050	1059	464
35°	865	871	893	925	939	541
45°	697	705	728	765	784	538
55°	520	525	543	579	596	465
65°	337	335	348	374	390	333
75°	163	162	169	182	191	174
85°	26	30	30	26	25	38
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1173.7	1173.7	1173.7	1173.7	1173.7
2.5°	1173.7	1172.2	1172.2	1172.2	1173.7
5°	1169.1	1167.5	1169.1	1169.1	1170.6
7.5°	1161.3	1159.7	1162.8	1164.4	1166.0
10°	1150.4	1150.4	1155.1	1158.2	1159.7
12.5°	1136.5	1136.5	1142.7	1147.3	1150.4
15°	1116.3	1117.8	1125.6	1133.3	1136.5
17.5°	1093.0	1097.6	1107.0	1117.8	1120.9
20°	1069.7	1072.8	1083.7	1097.6	1103.9
22.5°	1040.2	1044.9	1057.3	1075.9	1082.1
25°	1007.6	1013.8	1029.3	1049.5	1058.8
27.5°	975.0	979.6	998.3	1021.6	1032.4
30°	939.3	945.5	965.7	992.1	1004.5
32.5°	903.6	908.2	931.5	959.5	973.4
35°	864.8	871.0	892.7	925.3	939.3
37.5°	824.4	832.2	853.9	888.0	903.6
40°	784.0	788.7	813.5	847.7	866.3
42.5°	742.1	748.3	771.6	808.9	827.5
45°	697.1	704.8	728.1	765.4	784.0
47.5°	653.6	661.4	683.1	720.4	737.5
50°	610.1	614.8	636.5	673.8	694.0
52.5°	565.1	569.8	590.0	625.7	644.3
55°	520.1	524.8	543.4	579.1	596.2
57.5°	473.5	476.6	495.3	527.9	544.9
60°	428.5	430.1	447.1	476.6	493.7
62.5°	380.4	381.9	394.3	428.5	444.0
65°	336.9	335.3	347.8	374.2	389.7
67.5°	291.9	291.9	302.7	326.0	338.5
70°	246.9	246.9	256.2	276.4	288.8
72.5°	204.9	204.9	212.7	228.2	237.5
75°	163.0	161.5	169.2	181.6	191.0
77.5°	124.2	124.2	127.3	138.2	144.4
80°	88.5	88.5	90.0	96.3	100.9
82.5°	55.9	55.9	55.9	59.0	60.5
85°	26.4	29.5	29.5	26.4	24.8
87.5°	12.4	12.4	10.9	10.9	10.9
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)