

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: P383729

Luminaire Tested: **14ID-30-L850-CFR1**

Issue Date: 2/25/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P383729  
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-L850-CFR1  
Description: 1X4 IN DEPTH TROFFER WITH 1INCH RECESSED COFFER LENS

Light Source: -  
Ballast/Driver: -

**Summary**

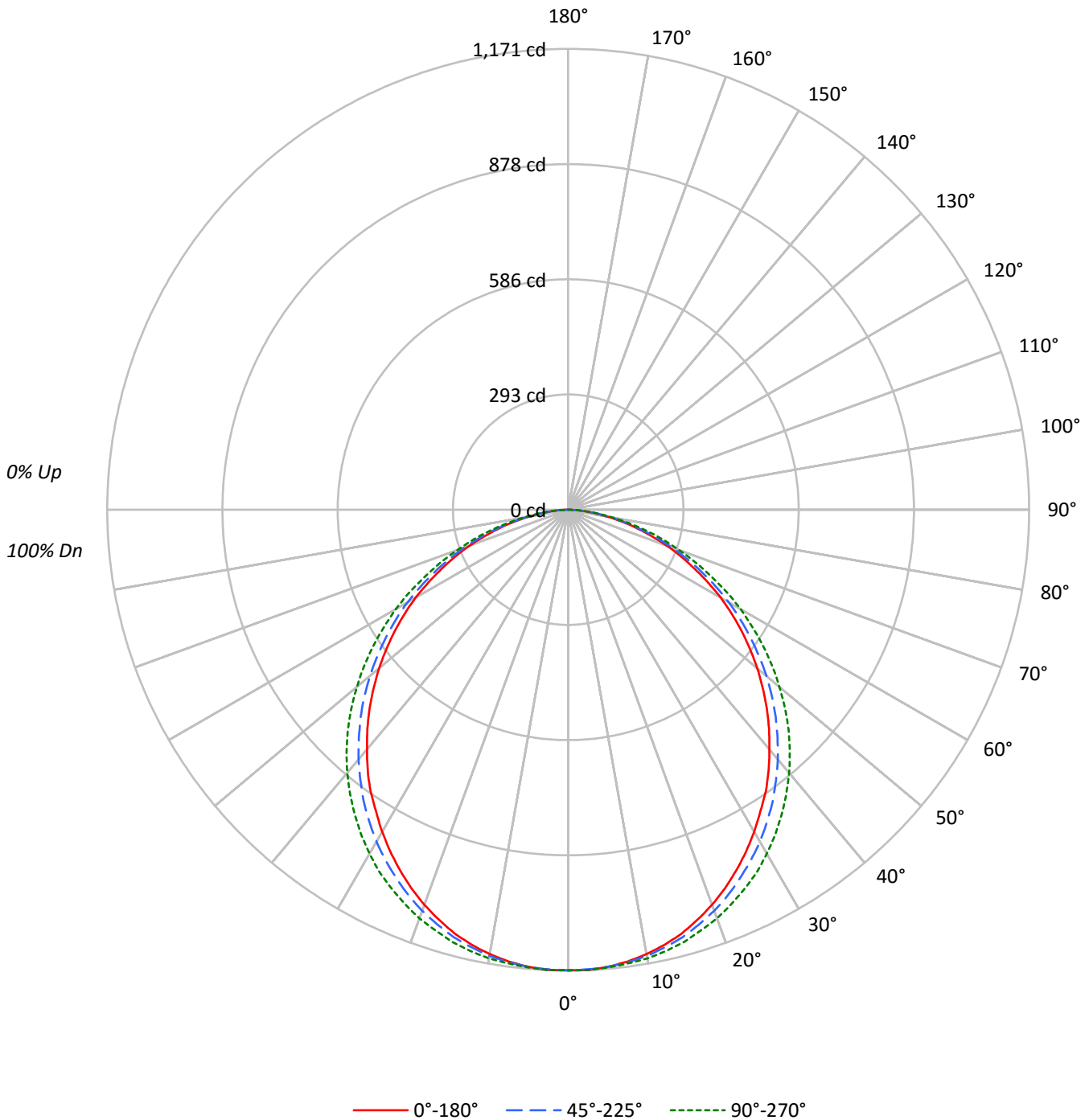
Lumens per Lamp: N/A  
Luminaire Lumens: 3179.5 lumens  
Efficiency: N/A  
Efficacy: 127.7 lumens/watt  
Spacing Criteria (0/90/45): 1.2 / 1.28 / 1.35  
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')  
CIE Type: Direct

Input Watts (W): 24.9  
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°	3150	3150	3150
5°	3149	3149	3154
10°	3133	3146	3164
15°	3105	3132	3168
20°	3060	3105	3165
25°	3001	3068	3153
30°	2937	3026	3136
35°	2874	2974	3105
40°	2792	2910	3067
45°	2715	2836	3013
50°	2624	2752	2933
55°	2521	2649	2837
60°	2410	2539	2720
65°	2251	2383	2546
70°	2089	2202	2353
75°	1862	1962	2128
80°	1562	1636	1785
85°	1186	1186	1334



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	110.8	3.5
10°-20°	317.0	10.0
20°-30°	476.7	15.0
30°-40°	567.1	17.8
40°-50°	577.0	18.1
50°-60°	507.8	16.0
60°-70°	372.5	11.7
70°-80°	202.2	6.4
80°-90°	48.3	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°	904.6	28.4
0°-40°	1471.7	46.3
0°-60°	2556.5	80.4
0°-90°	3179.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3179.5	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1171	1171	1171	1171	1171	
5°	1166	1164	1166	1166	1168	111
15°	1115	1116	1124	1131	1137	314
25°	1011	1017	1033	1051	1062	466
35°	875	881	905	932	945	546
45°	713	720	745	777	792	550
55°	537	545	565	592	605	481
65°	354	360	374	390	400	351
75°	179	182	189	198	205	190
85°	38	38	38	42	43	46
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1170.7	1170.7	1170.7	1170.7	1170.7
2.5°	1170.7	1169.1	1169.1	1169.1	1170.7
5°	1165.9	1164.3	1165.9	1165.9	1167.5
7.5°	1157.9	1156.3	1159.5	1161.1	1162.7
10°	1146.7	1146.7	1151.5	1154.7	1157.9
12.5°	1132.3	1133.9	1138.7	1143.5	1148.3
15°	1114.7	1116.3	1124.3	1130.7	1137.1
17.5°	1092.4	1095.5	1105.1	1114.7	1121.1
20°	1068.4	1073.2	1084.4	1097.1	1105.1
22.5°	1041.2	1047.6	1060.4	1076.4	1084.4
25°	1010.8	1017.2	1033.2	1050.8	1062.0
27.5°	978.8	986.8	1004.4	1025.2	1038.0
30°	945.2	953.2	974.0	996.4	1009.2
32.5°	908.4	918.0	940.4	966.0	978.8
35°	874.8	881.2	905.2	932.4	945.2
37.5°	836.5	844.5	866.8	895.6	910.0
40°	794.9	802.9	828.5	857.2	873.2
42.5°	754.9	761.3	786.9	818.9	833.3
45°	713.3	719.7	745.3	777.3	791.7
47.5°	670.1	678.1	702.1	732.5	746.9
50°	626.9	633.3	657.3	686.1	700.5
52.5°	582.2	588.6	610.9	639.7	654.1
55°	537.4	545.4	564.6	591.8	604.6
57.5°	492.6	500.6	518.2	543.8	555.0
60°	447.8	454.2	471.8	494.2	505.4
62.5°	399.8	404.6	422.2	444.6	454.2
65°	353.5	359.9	374.2	390.2	399.8
67.5°	310.3	313.5	326.3	343.9	350.3
70°	265.5	268.7	279.9	294.3	299.1
72.5°	220.7	225.5	233.5	246.3	252.7
75°	179.1	182.3	188.7	198.3	204.7
77.5°	139.1	140.7	145.5	153.5	158.3
80°	100.8	102.4	105.6	112.0	115.2
82.5°	67.2	68.8	70.4	73.6	76.8
85°	38.4	38.4	38.4	41.6	43.2
87.5°	14.4	12.8	12.8	12.8	12.8
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)