

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: P385073

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

Issue Date: 2/25/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P385073  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1911-572-72)  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 2/25/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: 14ID-30-L850-CNC  
Description: 1X4 IN DEPTH TROFFER WITH CONCAVE LENS

Light Source: -  
Ballast/Driver: -

**Summary**

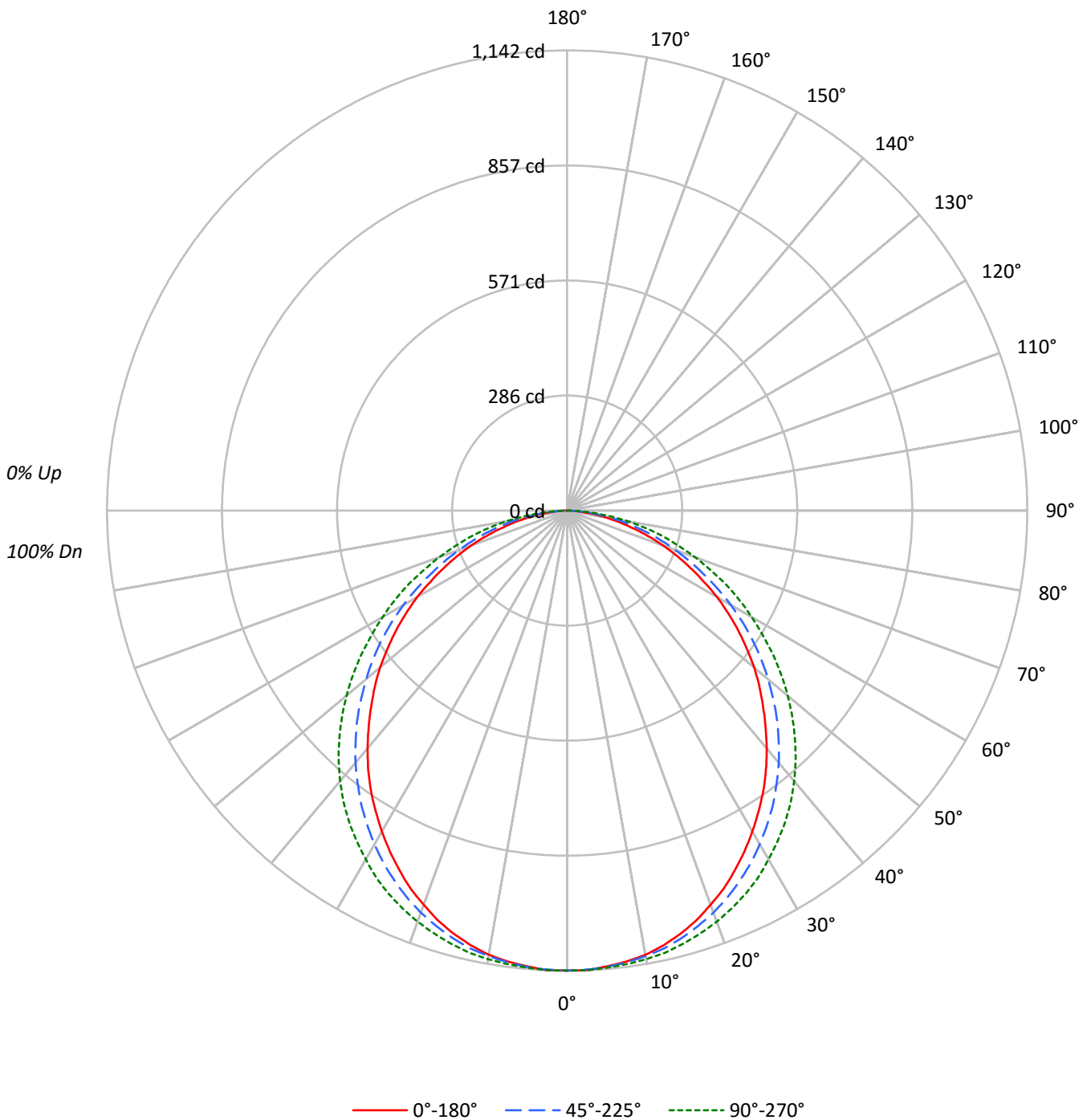
Lumens per Lamp: N/A  
Luminaire Lumens: 3169.9 lumens  
Efficiency: N/A  
Efficacy: 127.3 lumens/watt  
Spacing Criteria (0/90/45): 1.2 / 1.3 / 1.36  
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')  
CIE Type: Direct

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	94	98	94	91	94	91	89	90	88	86	84
2	99	91	84	78	96	89	83	77	85	80	75	82	78	74	79	75	72	70
3	90	80	72	65	88	78	71	65	75	69	63	72	67	62	70	65	61	59
4	83	71	62	55	80	69	61	55	67	60	54	65	58	53	62	57	53	50
5	76	63	54	48	74	62	54	47	60	52	47	58	51	46	56	50	46	44
6	70	57	48	42	68	56	48	41	54	47	41	52	46	41	51	45	40	38
7	65	52	43	37	63	51	42	37	49	42	36	48	41	36	46	40	36	34
8	61	47	39	33	59	46	38	33	45	38	32	44	37	32	43	37	32	30
9	57	43	35	29	55	43	35	29	42	34	29	40	34	29	39	33	29	27
10	53	40	32	27	52	39	32	27	38	31	27	37	31	26	37	31	26	25

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

	0°	45°	90°
0°	3072	3072	3072
5°	3067	3071	3075
10°	3058	3067	3089
15°	3029	3060	3100
20°	2981	3040	3109
25°	2925	3010	3114
30°	2857	2971	3105
35°	2789	2926	3099
40°	2707	2870	3078
45°	2617	2805	3043
50°	2537	2725	2992
55°	2431	2640	2926
60°	2315	2530	2849
65°	2159	2383	2769
70°	1987	2239	2655
75°	1762	2078	2543
80°	1486	1858	2354
85°	1087	1433	1877



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	108.1	3.4
10°-20°	310.0	9.8
20°-30°	467.6	14.8
30°-40°	558.3	17.6
40°-50°	570.6	18.0
50°-60°	505.9	16.0
60°-70°	377.2	11.9
70°-80°	215.4	6.8
80°-90°	56.8	1.8
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°	885.7	27.9
0°-40°	1444.0	45.6
0°-60°	2520.5	79.5
0°-90°	3169.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3169.9	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1142	1142	1142	1142	1142	
5°	1135	1135	1137	1137	1138	108
15°	1087	1090	1098	1108	1113	306
25°	985	993	1014	1036	1049	454
35°	849	860	891	926	943	530
45°	688	702	737	777	800	531
55°	518	528	563	603	624	463
65°	339	347	374	412	435	336
75°	170	178	200	230	245	181
85°	35	37	46	58	61	44
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1141.7	1141.7	1141.7	1141.7	1141.7
2.5°	1141.7	1140.1	1140.1	1140.1	1141.7
5°	1135.3	1135.3	1136.9	1136.9	1138.5
7.5°	1128.9	1128.9	1130.5	1132.1	1135.3
10°	1119.3	1119.3	1122.5	1127.3	1130.5
12.5°	1104.9	1106.5	1112.9	1119.3	1124.1
15°	1087.3	1090.5	1098.5	1108.1	1112.9
17.5°	1066.5	1069.7	1080.9	1093.7	1100.1
20°	1041.0	1047.3	1061.7	1077.7	1085.7
22.5°	1015.4	1021.8	1039.4	1058.5	1068.1
25°	985.0	993.0	1013.8	1036.2	1048.9
27.5°	953.0	962.6	986.6	1012.2	1026.6
30°	919.4	930.6	956.2	985.0	999.4
32.5°	884.2	895.4	924.2	956.2	972.2
35°	849.1	860.3	890.6	925.8	943.4
37.5°	810.7	821.9	853.9	892.2	911.4
40°	770.7	783.5	817.1	855.5	876.3
42.5°	729.1	743.5	777.1	818.7	839.5
45°	687.6	702.0	737.1	777.1	799.5
47.5°	647.6	658.8	694.0	735.5	757.9
50°	606.0	615.6	650.8	692.4	714.8
52.5°	561.2	574.0	607.6	649.2	670.0
55°	518.1	527.7	562.8	602.8	623.6
57.5°	473.3	482.9	516.5	556.5	575.6
60°	430.1	439.7	470.1	510.1	529.3
62.5°	382.2	391.8	422.1	463.7	482.9
65°	339.0	347.0	374.2	412.5	434.9
67.5°	295.8	303.8	329.4	366.2	383.8
70°	252.6	259.0	284.6	318.2	337.4
72.5°	211.1	217.5	243.0	273.4	289.4
75°	169.5	177.5	199.9	230.3	244.6
77.5°	131.1	139.1	158.3	185.5	198.3
80°	95.9	102.3	119.9	140.7	151.9
82.5°	64.0	68.8	81.5	99.1	107.1
85°	35.2	36.8	46.4	57.6	60.8
87.5°	14.4	14.4	17.6	19.2	20.8
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)