

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: P385126

Luminaire Tested: **22ID-30-L830-CNC**

Issue Date: 2/25/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P385126  
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: 22ID-30-L830-CNC  
Description: 2X2 IN DEPTH TROFFER WITH CONCAVE LENS

Light Source: -  
Ballast/Driver: -

**Summary**

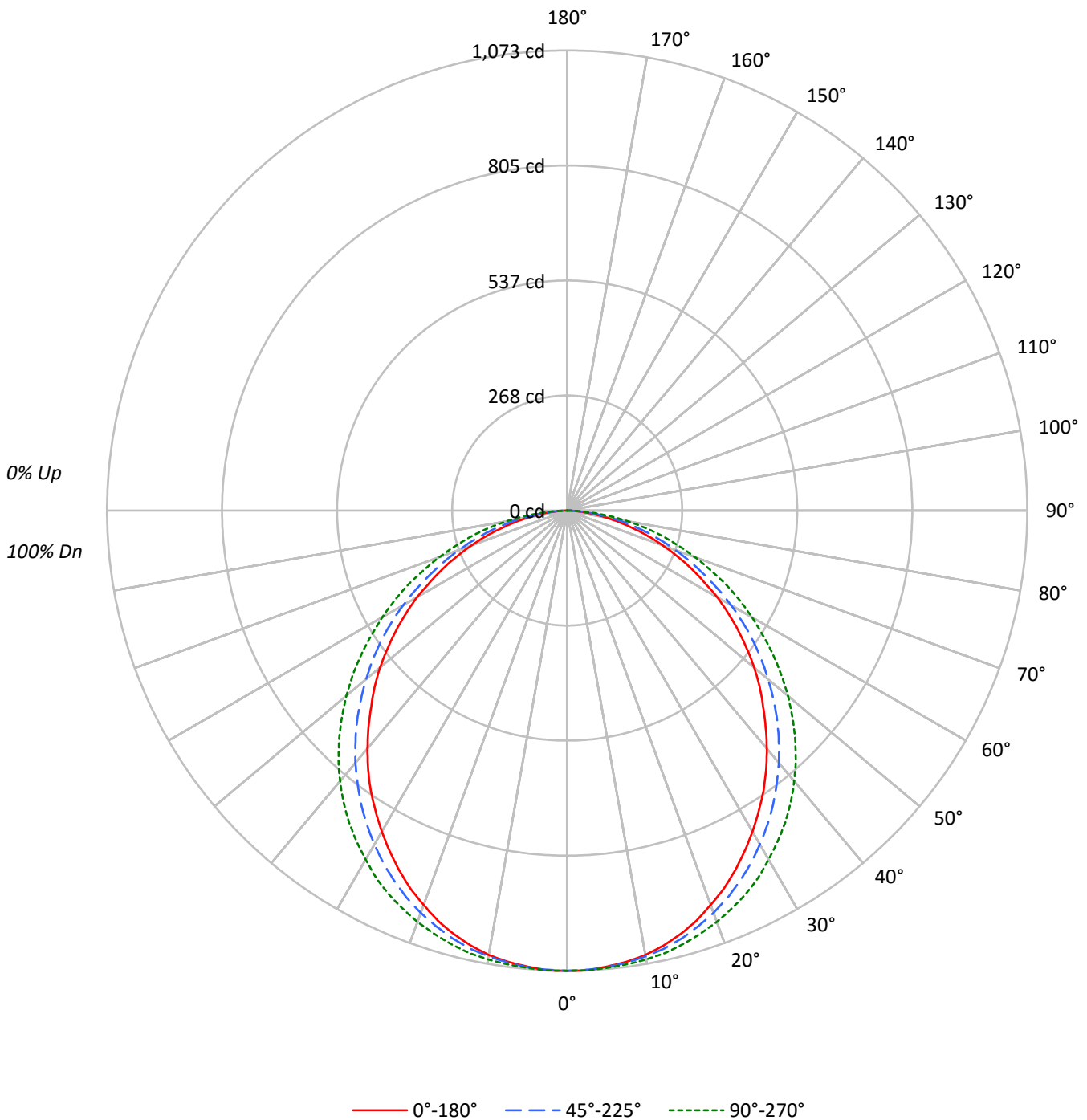
Lumens per Lamp: N/A  
Luminaire Lumens: 2980.0 lumens  
Efficiency: N/A  
Efficacy: 123.1 lumens/watt  
Spacing Criteria (0/90/45): 1.2 / 1.3 / 1.36  
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')  
CIE Type: Direct

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	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°	2888	2888	2888
5°	2883	2887	2891
10°	2875	2884	2904
15°	2848	2877	2915
20°	2802	2858	2923
25°	2749	2830	2928
30°	2686	2793	2919
35°	2622	2751	2914
40°	2545	2698	2894
45°	2460	2637	2860
50°	2385	2561	2813
55°	2285	2482	2751
60°	2176	2378	2678
65°	2029	2240	2604
70°	1869	2105	2496
75°	1656	1954	2391
80°	1398	1746	2213
85°	1022	1346	1763



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	101.6	3.4
10°-20°	291.5	9.8
20°-30°	439.6	14.8
30°-40°	524.8	17.6
40°-50°	536.4	18.0
50°-60°	475.6	16.0
60°-70°	354.6	11.9
70°-80°	202.5	6.8
80°-90°	53.4	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°	832.7	27.9
0°-40°	1357.5	45.6
0°-60°	2369.5	79.5
0°-90°	2980.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2980.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1073	1073	1073	1073	1073	
5°	1067	1067	1069	1069	1070	101
15°	1022	1025	1033	1042	1046	288
25°	926	934	953	974	986	426
35°	798	809	837	870	887	499
45°	646	660	693	731	752	499
55°	487	496	529	567	586	435
65°	319	326	352	388	409	316
75°	159	167	188	216	230	170
85°	33	35	44	54	57	41
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1073.3	1073.3	1073.3	1073.3	1073.3
2.5°	1073.3	1071.8	1071.8	1071.8	1073.3
5°	1067.3	1067.3	1068.8	1068.8	1070.3
7.5°	1061.3	1061.3	1062.8	1064.3	1067.3
10°	1052.2	1052.2	1055.3	1059.8	1062.8
12.5°	1038.7	1040.2	1046.2	1052.2	1056.8
15°	1022.2	1025.2	1032.7	1041.7	1046.2
17.5°	1002.6	1005.6	1016.2	1028.2	1034.2
20°	978.6	984.6	998.1	1013.2	1020.7
22.5°	954.5	960.6	977.1	995.1	1004.1
25°	926.0	933.5	953.0	974.1	986.1
27.5°	895.9	904.9	927.5	951.5	965.1
30°	864.3	874.9	898.9	926.0	939.5
32.5°	831.3	841.8	868.9	898.9	914.0
35°	798.2	808.7	837.3	870.4	886.9
37.5°	762.1	772.6	802.7	838.8	856.8
40°	724.5	736.6	768.1	804.2	823.8
42.5°	685.5	699.0	730.6	769.6	789.2
45°	646.4	659.9	693.0	730.6	751.6
47.5°	608.8	619.3	652.4	691.5	712.5
50°	569.7	578.7	611.8	650.9	671.9
52.5°	527.6	539.7	571.2	610.3	629.8
55°	487.0	496.1	529.1	566.7	586.3
57.5°	445.0	454.0	485.5	523.1	541.2
60°	404.4	413.4	441.9	479.5	497.6
62.5°	359.3	368.3	396.8	435.9	454.0
65°	318.7	326.2	351.8	387.8	408.9
67.5°	278.1	285.6	309.7	344.2	360.8
70°	237.5	243.5	267.6	299.1	317.2
72.5°	198.4	204.4	228.5	257.0	272.1
75°	159.3	166.9	187.9	216.5	230.0
77.5°	123.3	130.8	148.8	174.4	186.4
80°	90.2	96.2	112.7	132.3	142.8
82.5°	60.1	64.6	76.7	93.2	100.7
85°	33.1	34.6	43.6	54.1	57.1
87.5°	13.5	13.5	16.5	18.0	19.5
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)