

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: P384118

Luminaire Tested: **22ID-30-L830-CFD1**

Issue Date: 2/25/2020

Test Information

Test Method: LM-79-08
Report Number: P384118
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1911-572-67)
Test Lab: INNOVATION CENTER (G2)
Issue Date: 2/25/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 22ID-30-L830-CFD1
Description: 2X2 IN DEPTH TROFFER WITH 1INCH DROP CUBE LENS

Light Source: -
Ballast/Driver: -

Summary

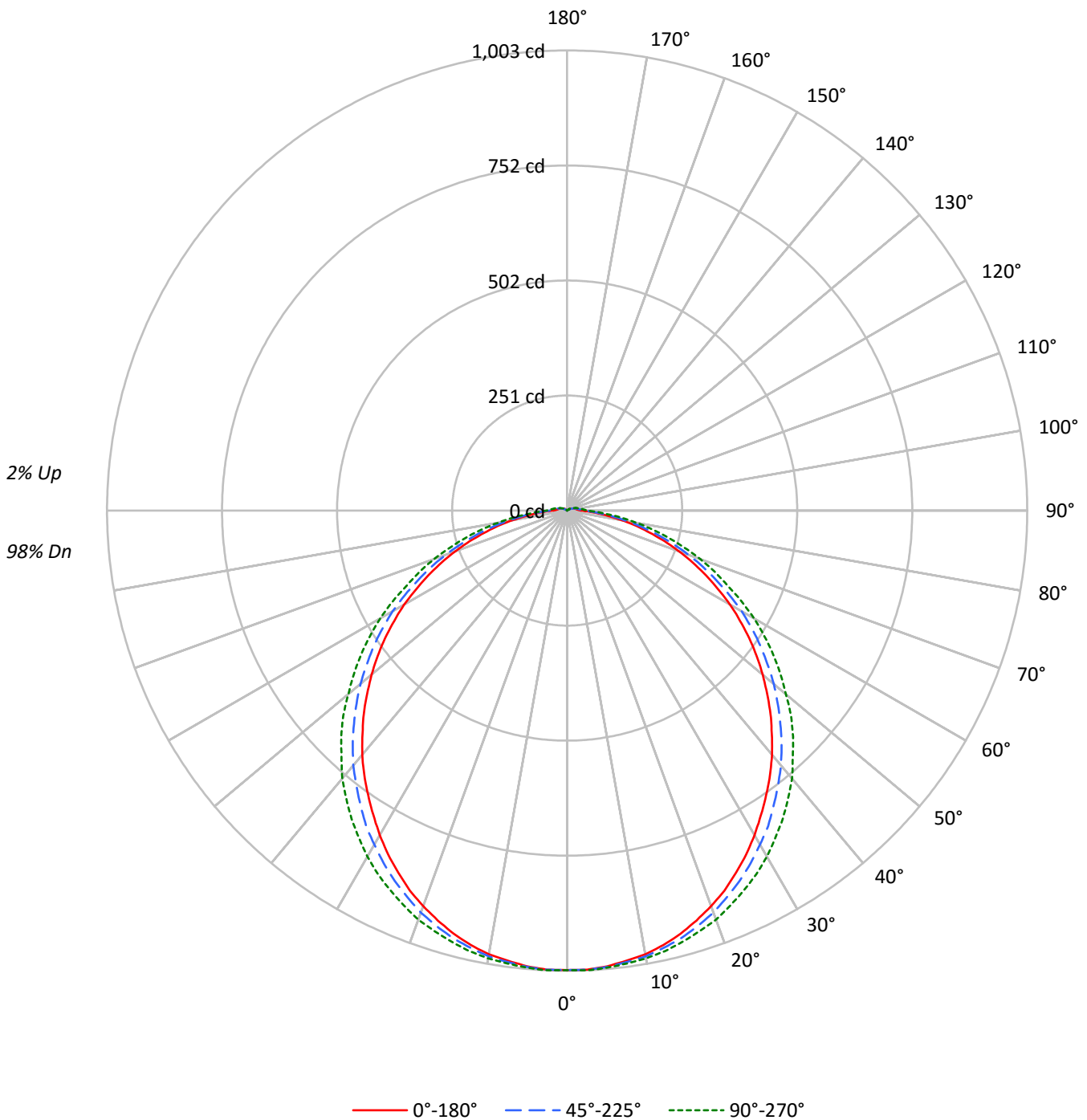
Lumens per Lamp: N/A
Luminaire Lumens: 2966.4 lumens
Efficiency: N/A
Efficacy: 122.6 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.29 / 1.37
Luminous Opening: Rectangular w/ Sides (W: 2' x L: 2' x H: 0.08')
CIE Type: Direct

Input Watts (W): 24.2
Input Voltage (V): NR
Input Current (Ain): 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	110	110	110	105	105	105	100	100	100	98
1	108	103	98	94	105	100	96	92	96	92	89	91	88	86	87	85	83	81
2	98	89	82	76	95	87	81	75	83	78	73	80	75	71	76	73	69	67
3	89	78	70	63	86	76	69	63	73	67	61	70	64	60	67	62	58	56
4	81	69	60	53	79	68	59	53	65	58	52	62	56	51	60	55	50	48
5	75	62	53	46	73	61	52	46	58	51	45	56	49	44	54	48	44	41
6	69	56	47	40	67	55	46	40	52	45	39	51	44	39	49	43	38	36
7	64	50	42	35	62	49	41	35	48	40	35	46	39	34	45	39	34	32
8	60	46	37	32	58	45	37	31	44	36	31	42	36	31	41	35	30	28
9	56	42	34	28	54	41	34	28	40	33	28	39	32	28	38	32	27	26
10	52	39	31	26	51	38	31	26	37	30	25	36	30	25	35	29	25	23

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2695	2695	2695
5°	2684	2684	2692
10°	2664	2668	2688
15°	2631	2644	2681
20°	2588	2614	2677
25°	2536	2573	2659
30°	2478	2526	2642
35°	2415	2477	2616
40°	2358	2427	2588
45°	2291	2362	2544
50°	2219	2300	2483
55°	2145	2226	2431
60°	2061	2144	2363
65°	1952	2023	2250
70°	1826	1904	2177
75°	1678	1743	2057
80°	1508	1554	1923
85°	1353	1388	1824



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	94.9	3.2
10°-20°	271.9	9.2
20°-30°	410.5	13.8
30°-40°	491.9	16.6
40°-50°	508.6	17.1
50°-60°	460.5	15.5
60°-70°	356.4	12.0
70°-80°	218.9	7.4
80°-90°	87.0	2.9
90°-100°	31.8	1.1
100°-110°	19.5	0.7
110°-120°	10.0	0.3
120°-130°	4.3	0.1
130°-140°	0.3	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°	777.3	26.2
0°-40°	1269.2	42.8
0°-60°	2238.3	75.5
0°-90°	2900.6	97.8
90°-120°	61.3	2.1
90°-150°	65.8	2.2
90°-180°	66.0	2.2
0°-180°	2966.4	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1002	1002	1002	1002	1002	
5°	997	997	999	999	1000	95
15°	955	956	964	970	973	269
25°	871	877	890	905	913	401
35°	756	766	785	806	820	474
45°	627	635	657	684	696	483
55°	484	495	514	537	549	433
65°	334	341	358	376	385	330
75°	186	196	204	218	229	199
85°	65	69	75	83	87	64
90°	30	35	38	42	45	18
95°	23	26	29	32	35	18
105°	16	16	18	20	21	17
115°	10	9	9	10	12	11
125°	6	4	3	4	6	6
135°	0	0	0	0	0	0
145°	0	0	0	0	0	0
155°	0	0	0	0	0	0
165°	0	0	0	0	0	0
175°	0	0	0	0	0	0
180°	0	0	0	0	0	0



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1001.6	1001.6	1001.6	1001.6	1001.6
2.5°	1001.6	1000.1	1001.6	1001.6	1003.1
5°	997.1	997.1	998.6	998.6	1000.1
7.5°	989.6	989.6	992.6	994.1	995.6
10°	982.0	982.0	986.6	988.1	991.1
12.5°	970.0	971.5	976.0	980.5	983.5
15°	955.0	956.5	964.0	970.0	973.0
17.5°	936.9	939.9	949.0	958.0	961.0
20°	917.4	921.9	932.4	942.9	949.0
22.5°	896.3	899.3	911.4	924.9	930.9
25°	870.8	876.8	890.3	905.3	912.9
27.5°	845.2	851.2	866.2	884.3	893.3
30°	816.6	822.6	840.7	860.2	870.8
32.5°	786.5	794.1	815.1	834.7	845.2
35°	756.5	765.5	785.0	806.1	819.6
37.5°	726.4	733.9	755.0	777.5	791.0
40°	694.8	702.3	724.9	747.4	762.5
42.5°	660.2	669.2	691.8	715.9	727.9
45°	627.1	634.6	657.2	684.3	696.3
47.5°	591.0	601.6	622.6	648.2	661.7
50°	556.4	565.5	588.0	612.1	622.6
52.5°	520.3	529.4	550.4	574.5	586.5
55°	484.3	494.8	514.3	536.9	548.9
57.5°	446.7	457.2	476.7	496.3	509.8
60°	410.6	421.1	439.1	458.7	470.7
62.5°	370.0	379.0	398.5	419.6	428.6
65°	333.9	341.4	357.9	376.0	385.0
67.5°	296.3	305.3	320.3	336.9	347.4
70°	258.7	269.2	281.2	296.3	308.3
72.5°	222.6	231.6	242.1	257.2	267.7
75°	186.5	195.5	204.5	218.1	228.6
77.5°	154.9	159.4	168.4	180.5	191.0
80°	120.3	126.3	133.8	145.9	153.4
82.5°	90.2	96.2	102.3	111.3	118.8
85°	64.7	69.2	75.2	82.7	87.2
87.5°	43.6	48.1	52.6	58.7	63.2
90°	30.1	34.6	37.6	42.1	45.1
92.5°	25.6	28.6	31.6	34.6	37.6
95°	22.6	25.6	28.6	31.6	34.6
97.5°	21.1	22.6	25.6	28.6	30.1
100°	19.6	21.1	22.6	25.6	27.1
102.5°	18.0	18.0	21.1	22.6	24.1
105°	16.5	16.5	18.0	19.6	21.1
107.5°	15.0	15.0	16.5	16.5	19.6
110°	13.5	12.0	13.5	13.5	16.5



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	12.0	10.5	12.0	12.0	13.5
115°	10.5	9.0	9.0	10.5	12.0
117.5°	9.0	7.5	7.5	7.5	10.5
120°	9.0	7.5	6.0	6.0	9.0
122.5°	7.5	6.0	4.5	6.0	7.5
125°	6.0	4.5	3.0	4.5	6.0
127.5°	4.5	4.5	1.5	3.0	4.5
130°	4.5	3.0	1.5	3.0	3.0
132.5°	0.0	0.0	0.0	0.0	0.0
135°	0.0	0.0	0.0	0.0	0.0
137.5°	0.0	0.0	0.0	0.0	0.0
140°	0.0	0.0	0.0	0.0	0.0
142.5°	0.0	0.0	0.0	0.0	0.0
145°	0.0	0.0	0.0	0.0	0.0
147.5°	0.0	0.0	0.0	0.0	0.0
150°	0.0	0.0	0.0	0.0	0.0
152.5°	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.0	0.0	0.0	0.0
157.5°	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0
162.5°	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)