

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: P384063

Luminaire Tested: **14ID-30-L835-CFD1**

Issue Date: 2/25/2020

Test Information

Test Method: LM-79-08
Report Number: P384063
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: 14ID-30-L835-CFD1
Description: 1X4 IN DEPTH TROFFER WITH 1INCH DROP CUBE LENS

Light Source: -
Ballast/Driver: -

Summary

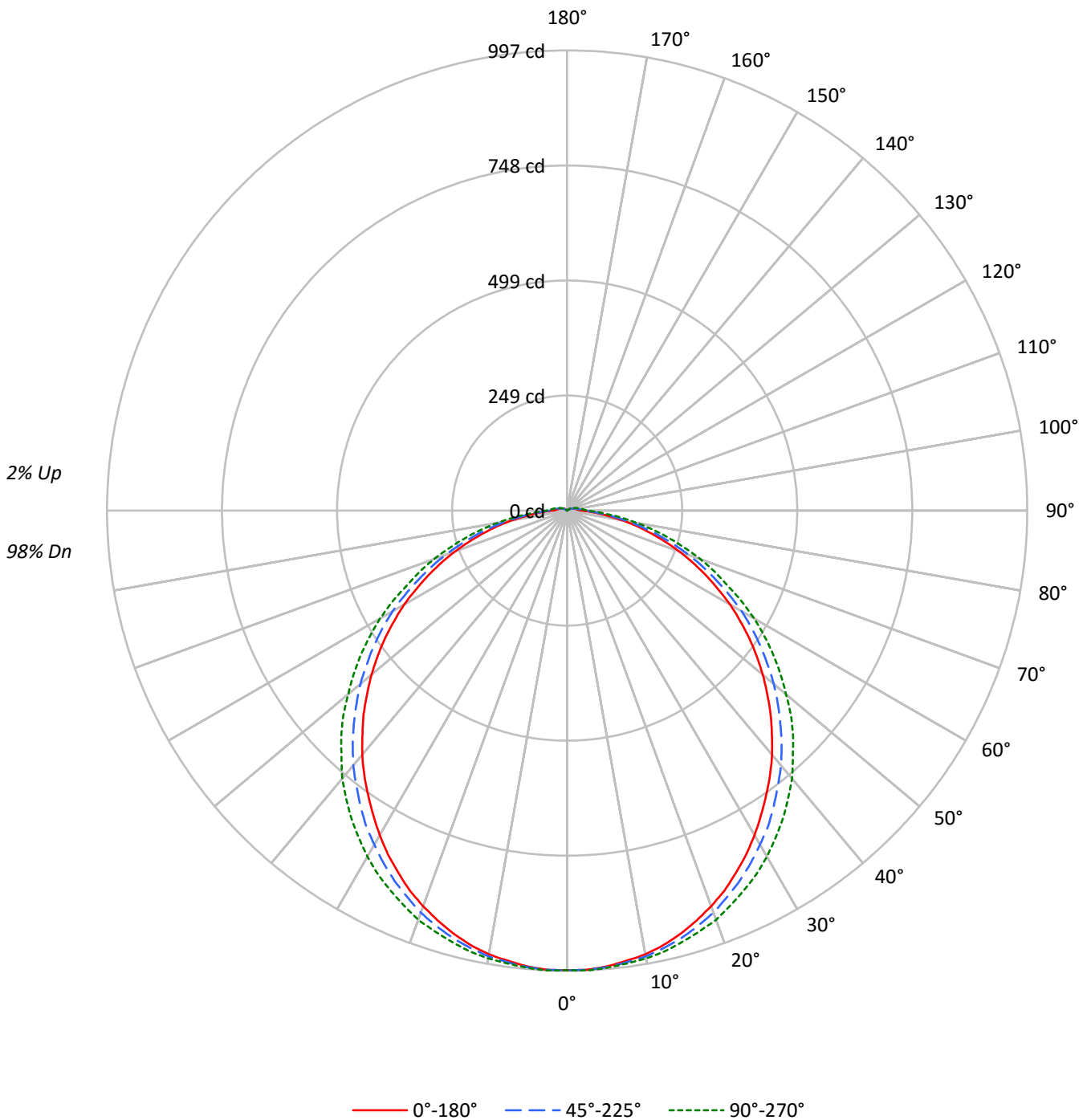
Lumens per Lamp: N/A
Luminaire Lumens: 2949.1 lumens
Efficiency: N/A
Efficacy: 118.9 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.29 / 1.37
Luminous Opening: Rectangular w/ Sides (W: 1' x L: 4' x H: 0.08')
CIE Type: Direct

Input Watts (W): 24.8
Input Voltage (V): NR
Input Current (A_{in}): 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°	2680	2680	2680
5°	2673	2665	2666
10°	2658	2646	2653
15°	2630	2618	2636
20°	2592	2585	2622
25°	2546	2541	2594
30°	2493	2491	2567
35°	2435	2438	2529
40°	2385	2384	2489
45°	2324	2316	2432
50°	2260	2250	2357
55°	2193	2171	2288
60°	2120	2084	2201
65°	2023	1957	2068
70°	1914	1830	1962
75°	1789	1658	1803
80°	1658	1455	1605
85°	1604	1254	1371



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	94.3	3.2
10°-20°	270.3	9.2
20°-30°	408.1	13.8
30°-40°	489.0	16.6
40°-50°	505.6	17.1
50°-60°	457.9	15.5
60°-70°	354.3	12.0
70°-80°	217.6	7.4
80°-90°	86.5	2.9
90°-100°	31.5	1.1
100°-110°	19.4	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°	772.8	26.2
0°-40°	1261.8	42.8
0°-60°	2225.3	75.5
0°-90°	2883.7	97.8
90°-120°	60.9	2.1
90°-150°	65.5	2.2
90°-180°	65.0	2.2
0°-180°	2949.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	996	996	996	996	996	
5°	991	991	993	993	994	94
15°	949	951	958	964	967	268
25°	866	872	885	900	908	399
35°	752	761	780	801	815	471
45°	624	631	653	680	692	481
55°	481	492	511	534	546	430
65°	332	339	356	374	383	328
75°	185	194	203	217	227	198
85°	64	69	75	82	87	64
90°	30	34	37	42	45	18
95°	22	25	28	31	34	18
105°	16	16	18	19	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°	995.8	995.8	995.8	995.8	995.8
2.5°	995.8	994.3	995.8	995.8	997.2
5°	991.3	991.3	992.8	992.8	994.3
7.5°	983.8	983.8	986.8	988.3	989.8
10°	976.3	976.3	980.8	982.3	985.3
12.5°	964.4	965.8	970.3	974.8	977.8
15°	949.4	950.9	958.4	964.4	967.3
17.5°	931.5	934.5	943.4	952.4	955.4
20°	912.0	916.5	927.0	937.4	943.4
22.5°	891.1	894.1	906.0	919.5	925.5
25°	865.7	871.7	885.1	900.1	907.5
27.5°	840.3	846.2	861.2	879.1	888.1
30°	811.9	817.8	835.8	855.2	865.7
32.5°	781.9	789.4	810.4	829.8	840.3
35°	752.0	761.0	780.5	801.4	814.8
37.5°	722.1	729.6	750.6	773.0	786.4
40°	690.7	698.2	720.6	743.1	758.0
42.5°	656.4	665.3	687.8	711.7	723.6
45°	623.5	630.9	653.4	680.3	692.2
47.5°	587.6	598.0	619.0	644.4	657.9
50°	553.2	562.2	584.6	608.5	619.0
52.5°	517.3	526.3	547.2	571.1	583.1
55°	481.4	491.9	511.3	533.8	545.7
57.5°	444.1	454.5	474.0	493.4	506.8
60°	408.2	418.6	436.6	456.0	468.0
62.5°	367.8	376.8	396.2	417.1	426.1
65°	331.9	339.4	355.8	373.8	382.8
67.5°	294.5	303.5	318.5	334.9	345.4
70°	257.2	267.6	279.6	294.5	306.5
72.5°	221.3	230.2	240.7	255.7	266.1
75°	185.4	194.4	203.3	216.8	227.3
77.5°	154.0	158.5	167.5	179.4	189.9
80°	119.6	125.6	133.1	145.0	152.5
82.5°	89.7	95.7	101.7	110.6	118.1
85°	64.3	68.8	74.8	82.2	86.7
87.5°	43.4	47.8	52.3	58.3	62.8
90°	29.9	34.4	37.4	41.9	44.9
92.5°	25.4	28.4	31.4	34.4	37.4
95°	22.4	25.4	28.4	31.4	34.4
97.5°	20.9	22.4	25.4	28.4	29.9
100°	19.4	20.9	22.4	25.4	26.9
102.5°	17.9	17.9	20.9	22.4	23.9
105°	16.4	16.4	17.9	19.4	20.9
107.5°	15.0	15.0	16.4	16.4	19.4
110°	13.5	12.0	13.5	13.5	16.4



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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)