

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: P384231

Luminaire Tested: **14ID-30-L835-CFD2**

Issue Date: 2/25/2020

Test Information

Test Method: LM-79-08
Report Number: P384231
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1911-572-68)
Test Lab: INNOVATION CENTER(G2)
Issue Date: 2/25/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 14ID-30-L835-CFD2
Description: 1X4 IN DEPTH TROFFER WITH 2INCH DROP CUBE LENS

Light Source: -
Ballast/Driver: -

Summary

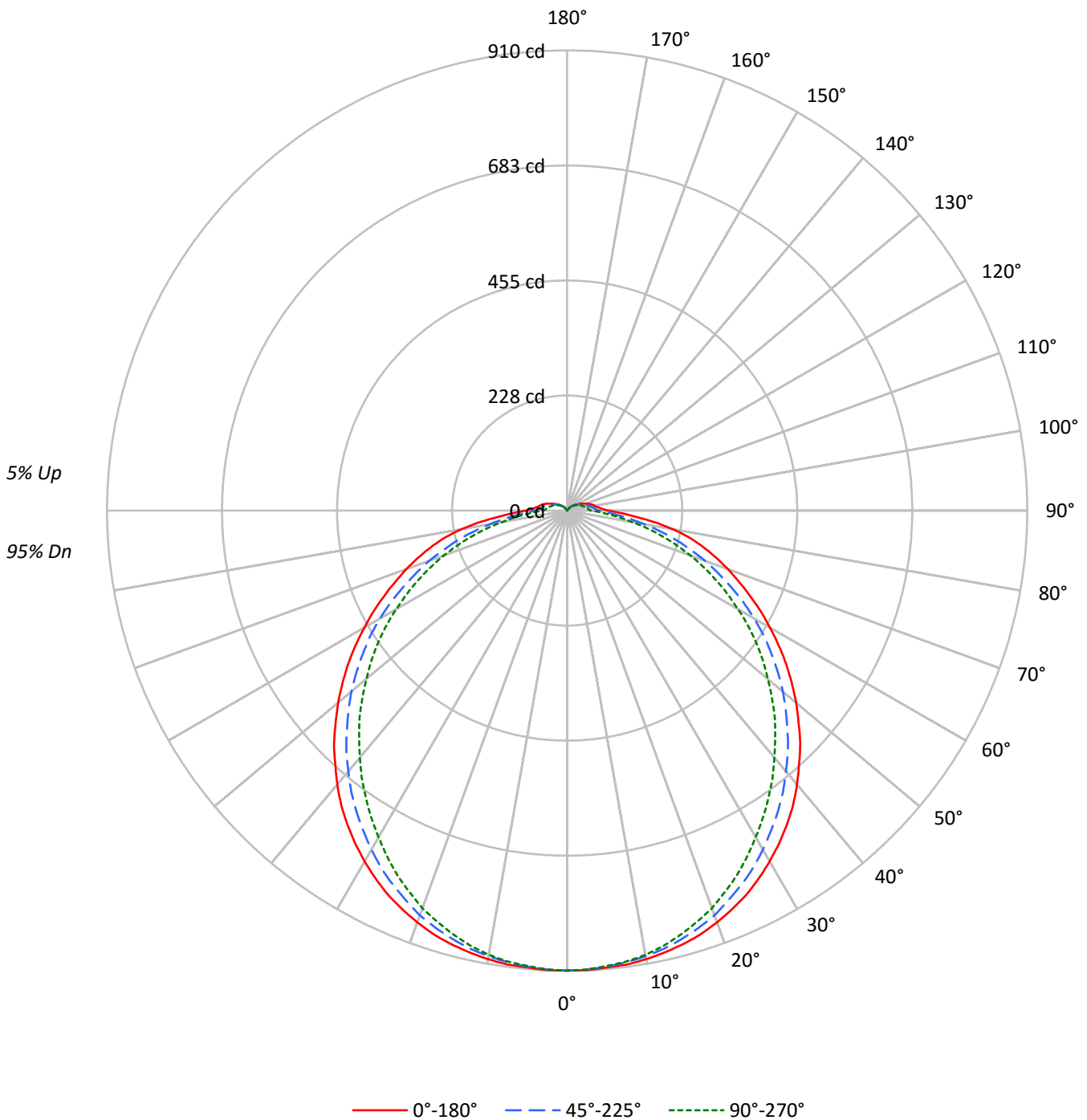
Lumens per Lamp: N/A
Luminaire Lumens: 2950.6 lumens
Efficiency: N/A
Efficacy: 119.0 lumens/watt
Spacing Criteria (0/90/45): 1.31 / 1.22 / 1.38
Luminous Opening: Rectangular w/ Sides (W: 1' x L: 4' x H: 0.17')
CIE Type: Direct

Input Watts (W): 24.8
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	118	118	118	118	114	114	114	114	108	108	108	102	102	102	97	97	97	95
1	106	101	96	92	103	98	94	90	93	90	86	88	85	83	84	81	79	77
2	96	87	80	74	93	85	78	73	81	75	70	77	72	68	73	69	66	63
3	87	76	68	61	84	74	67	60	71	64	58	67	62	57	64	59	55	53
4	80	68	58	51	77	66	57	51	63	55	50	60	53	48	57	51	47	45
5	73	60	51	44	71	59	50	44	56	48	43	53	47	42	51	45	41	38
6	68	54	45	38	65	53	44	38	50	43	37	48	42	36	46	40	36	33
7	63	49	40	34	61	48	39	33	46	38	33	44	37	32	42	36	32	30
8	58	45	36	30	56	44	35	30	42	35	29	40	34	29	39	33	28	26
9	54	41	33	27	53	40	32	27	39	31	26	37	31	26	36	30	25	24
10	51	38	30	24	50	37	29	24	36	29	24	34	28	23	33	27	23	21

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2448	2448	2448
5°	2440	2414	2406
10°	2443	2383	2368
15°	2445	2350	2315
20°	2444	2315	2259
25°	2442	2267	2191
30°	2430	2217	2114
35°	2419	2164	2041
40°	2400	2104	1964
45°	2382	2045	1894
50°	2358	1983	1810
55°	2341	1910	1732
60°	2325	1832	1629
65°	2332	1729	1523
70°	2386	1626	1398
75°	2505	1488	1241
80°	2669	1307	1044
85°	2803	1131	855



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	86.1	2.9
10°-20°	247.6	8.4
20°-30°	376.0	12.7
30°-40°	454.2	15.4
40°-50°	475.4	16.1
50°-60°	441.1	15.0
60°-70°	357.3	12.1
70°-80°	241.1	8.2
80°-90°	116.5	3.9
90°-100°	58.6	2.0
100°-110°	42.6	1.4
110°-120°	28.5	1.0
120°-130°	16.5	0.6
130°-140°	8.3	0.3
140°-150°	0.6	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	709.7	24.1
0°-40°	1164.0	39.4
0°-60°	2080.5	70.5
0°-90°	2795.4	94.7
90°-120°	129.7	4.4
90°-150°	155.1	5.3
90°-180°	155.0	5.3
0°-180°	2950.6	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	910	910	910	910	910	
5°	907	905	905	904	904	86
15°	887	883	877	871	868	251
25°	838	831	816	801	795	386
35°	758	747	727	704	694	474
45°	652	640	616	591	581	502
55°	529	517	493	469	457	472
65°	399	384	357	338	325	396
75°	278	250	222	206	194	293
85°	134	116	98	89	80	127
90°	80	73	62	57	48	46
95°	64	60	54	48	42	50
105°	48	45	40	36	33	51
115°	33	30	30	25	25	33
125°	21	18	19	16	18	18
135°	12	10	10	10	12	9
145°	0	0	0	0	0	1
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°	909.7	909.7	909.7	909.7	909.7
2.5°	909.7	908.2	908.2	908.2	908.2
5°	906.7	905.3	905.3	903.8	903.8
7.5°	905.3	902.3	900.8	899.3	899.3
10°	900.8	897.8	894.8	891.9	891.9
12.5°	894.8	891.9	887.4	881.4	881.4
15°	887.4	882.9	877.0	871.0	868.0
17.5°	878.5	874.0	865.1	856.1	853.1
20°	866.5	860.6	851.7	839.7	836.8
22.5°	853.1	847.2	833.8	821.9	815.9
25°	838.3	830.8	815.9	801.0	795.1
27.5°	820.4	812.9	796.6	778.7	771.3
30°	801.0	792.1	774.2	754.9	745.9
32.5°	780.2	769.8	750.4	729.6	720.6
35°	757.9	747.4	726.6	704.3	693.8
37.5°	734.0	723.6	701.3	677.5	667.0
40°	707.2	696.8	673.0	649.2	637.3
42.5°	678.9	670.0	646.2	620.9	609.0
45°	652.1	640.2	616.4	591.1	580.7
47.5°	620.9	611.9	586.6	561.3	549.4
50°	591.1	580.7	556.9	531.5	518.1
52.5°	559.8	550.9	525.6	500.3	488.4
55°	528.6	516.7	492.8	469.0	457.1
57.5°	495.8	485.4	461.6	439.2	424.3
60°	463.1	452.6	427.3	406.5	390.1
62.5°	431.8	419.9	393.1	370.7	357.3
65°	399.0	384.1	357.3	338.0	324.6
67.5°	367.8	349.9	323.1	305.2	291.8
70°	338.0	317.1	290.3	272.5	259.1
72.5°	308.2	282.9	254.6	238.2	226.3
75°	278.4	250.1	221.8	205.5	193.6
77.5°	248.6	215.9	187.6	174.2	162.3
80°	212.9	181.6	154.8	142.9	131.0
82.5°	172.7	147.4	125.1	113.2	104.2
85°	134.0	116.1	98.3	89.3	80.4
87.5°	104.2	90.8	77.4	70.0	62.5
90°	80.4	73.0	62.5	56.6	47.6
92.5°	70.0	64.0	56.6	50.6	43.2
95°	64.0	59.6	53.6	47.6	41.7
97.5°	58.1	55.1	49.1	44.7	38.7
100°	55.1	50.6	46.2	41.7	37.2
102.5°	52.1	47.6	43.2	38.7	35.7
105°	47.6	44.7	40.2	35.7	32.8
107.5°	44.7	40.2	37.2	32.8	31.3
110°	40.2	37.2	34.2	31.3	29.8



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	35.7	34.2	31.3	28.3	26.8
115°	32.8	29.8	29.8	25.3	25.3
117.5°	29.8	26.8	26.8	23.8	23.8
120°	25.3	23.8	23.8	20.8	20.8
122.5°	22.3	20.8	20.8	19.4	19.4
125°	20.8	17.9	19.4	16.4	17.9
127.5°	17.9	16.4	16.4	14.9	16.4
130°	14.9	13.4	13.4	13.4	14.9
132.5°	13.4	11.9	11.9	11.9	13.4
135°	11.9	10.4	10.4	10.4	11.9
137.5°	10.4	8.9	7.4	8.9	10.4
140°	8.9	7.4	6.0	7.4	8.9
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)