

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: P384567

Luminaire Tested: **14ID-30-L835-CFD3**

Issue Date: 2/25/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P384567  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1911-572-69)  
Test Lab: INNOVATION CENTER (G2)  
Issue Date: 2/25/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: 14ID-30-L835-CFD3  
Description: 1X4 IN DEPTH TROFFER WITH 3INCH DROP CUBE LENS

Light Source: -  
Ballast/Driver: -

**Summary**

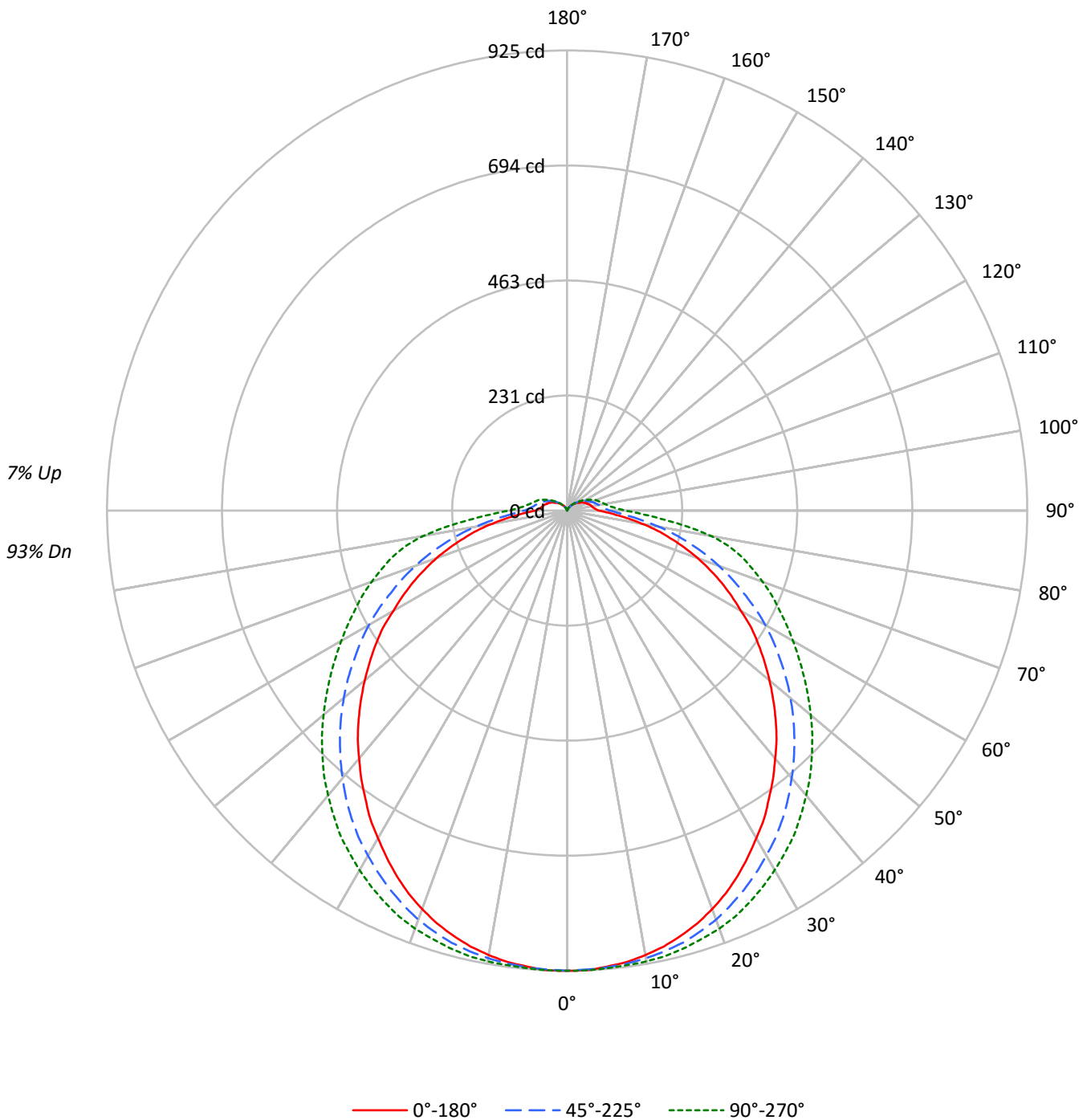
Lumens per Lamp: N/A  
Luminaire Lumens: 3236.8 lumens  
Efficiency: N/A  
Efficacy: 130.5 lumens/watt  
Spacing Criteria (0/90/45): 1.23 / 1.34 / 1.41  
Luminous Opening: Rectangular w/ Sides (W: 1' x L: 4' x H: 0.25')  
CIE Type: Direct

Input Watts (W): 24.8  
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



TEST NUMBER: P384567  
CATALOG NUMBER: 14ID-30-L835-CFD3

### Luminous Intensity Polar Plot





TEST NUMBER: P384567

CATALOG NUMBER: 14ID-30-L835-CFD3

**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	117	117	117	117	114	114	114	114	107	107	107	101	101	101	95	95	95	93
1	105	100	95	91	102	97	93	89	91	88	84	86	83	80	81	79	77	74
2	95	86	79	73	92	84	77	71	79	73	68	74	70	66	70	67	63	60
3	86	75	66	60	83	73	65	59	69	62	57	65	59	55	62	57	53	50
4	79	66	57	50	76	64	56	49	61	54	48	58	51	46	55	49	45	42
5	72	59	50	43	70	57	49	42	54	47	41	52	45	40	49	43	39	36
6	67	53	44	37	64	52	43	37	49	41	36	47	40	35	44	39	34	32
7	62	48	39	33	60	47	38	32	44	37	31	42	36	31	40	35	30	28
8	57	44	35	29	55	43	34	29	41	33	28	39	32	27	37	31	27	25
9	54	40	32	26	52	39	31	26	37	30	25	36	29	25	34	28	24	22
10	50	37	29	23	49	36	28	23	35	28	23	33	27	22	32	26	22	20

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

	0°	45°	90°
0°	2489	2489	2489
5°	2472	2443	2441
10°	2452	2403	2408
15°	2424	2365	2377
20°	2386	2319	2347
25°	2338	2264	2309
30°	2280	2206	2266
35°	2225	2149	2225
40°	2171	2081	2170
45°	2122	2013	2118
50°	2069	1942	2062
55°	2023	1865	2009
60°	1960	1791	1970
65°	1921	1687	1947
70°	1875	1589	1950
75°	1810	1454	1962
80°	1755	1288	1883
85°	1774	1089	1512



TEST NUMBER: P384567

CATALOG NUMBER: 14ID-30-L835-CFD3

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	87.7	2.7
10°-20°	253.4	7.8
20°-30°	387.2	12.0
30°-40°	471.3	14.6
40°-50°	498.2	15.4
50°-60°	470.3	14.5
60°-70°	395.6	12.2
70°-80°	285.3	8.8
80°-90°	150.4	4.6
90°-100°	80.5	2.5
100°-110°	61.2	1.9
110°-120°	44.4	1.4
120°-130°	27.8	0.9
130°-140°	15.1	0.5
140°-150°	6.6	0.2
150°-160°	1.8	0.1
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-30°	728.4	22.5
0°-40°	1199.7	37.1
0°-60°	2168.2	67.0
0°-90°	2999.5	92.7
90°-120°	186.0	5.7
90°-150°	235.5	7.3
90°-180°	237.0	7.3
0°-180°	3236.8	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	925	925	925	925	925	
5°	920	920	922	922	923	87
15°	885	888	899	906	910	250
25°	810	820	841	860	868	373
35°	707	723	756	784	796	443
45°	592	610	646	681	696	457
55°	470	491	523	562	581	420
65°	342	362	391	439	470	338
75°	215	232	255	305	365	228
85°	98	111	124	155	189	92
90°	63	74	86	102	116	36
95°	55	63	73	82	89	44
105°	47	52	58	65	68	49
115°	37	40	45	48	52	37
125°	27	27	32	32	34	25
135°	19	18	19	19	21	15
145°	11	10	10	10	11	7
155°	5	5	2	3	5	2
165°	0	0	0	0	0	0
175°	0	0	0	0	0	0
180°	0	0	0	0	0	0



TEST NUMBER: P384567

CATALOG NUMBER: 14ID-30-L835-CFD3

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	925.0	925.0	925.0	925.0	925.0
2.5°	925.0	923.3	923.3	923.3	925.0
5°	920.1	920.1	921.7	921.7	923.3
7.5°	915.3	915.3	918.5	920.1	921.7
10°	907.2	908.8	913.7	916.9	920.1
12.5°	897.5	899.1	907.2	913.7	916.9
15°	884.6	887.8	899.1	905.6	910.4
17.5°	870.1	874.9	887.8	897.5	902.4
20°	852.3	858.8	874.9	887.8	894.3
22.5°	833.0	839.4	858.8	874.9	883.0
25°	810.4	820.0	841.0	860.4	868.5
27.5°	786.1	797.4	821.7	844.3	852.3
30°	760.3	773.2	800.7	824.9	834.6
32.5°	736.1	749.0	779.7	805.5	815.2
35°	707.0	723.2	755.5	784.5	795.8
37.5°	679.6	695.7	729.6	760.3	771.6
40°	650.5	666.7	702.2	736.1	747.4
42.5°	623.1	639.2	674.8	710.3	723.2
45°	592.4	610.2	645.7	681.2	695.7
47.5°	561.8	579.5	616.6	653.8	668.3
50°	531.1	550.5	586.0	623.1	639.2
52.5°	500.4	519.8	555.3	594.0	610.2
55°	469.7	490.7	523.0	561.8	581.1
57.5°	439.1	460.1	492.3	532.7	552.1
60°	403.6	427.8	460.1	502.0	524.6
62.5°	372.9	393.9	426.2	469.7	497.2
65°	342.2	361.6	390.6	439.1	469.7
67.5°	309.9	330.9	358.4	403.6	445.5
70°	279.3	297.0	324.5	371.3	418.1
72.5°	247.0	264.7	290.6	339.0	390.6
75°	214.7	232.5	255.1	305.1	364.8
77.5°	185.6	200.2	221.2	269.6	334.1
80°	153.4	167.9	187.3	230.8	293.8
82.5°	124.3	137.2	153.4	192.1	242.1
85°	98.5	111.4	124.3	155.0	188.9
87.5°	79.1	88.8	101.7	124.3	146.9
90°	63.0	74.3	85.6	101.7	116.2
92.5°	58.1	67.8	77.5	90.4	100.1
95°	54.9	63.0	72.6	82.3	88.8
97.5°	51.7	59.7	67.8	77.5	82.3
100°	50.0	56.5	64.6	72.6	75.9
102.5°	48.4	53.3	61.3	67.8	72.6
105°	46.8	51.7	58.1	64.6	67.8
107.5°	43.6	48.4	54.9	61.3	64.6
110°	42.0	45.2	51.7	56.5	61.3



TEST NUMBER: P384567

CATALOG NUMBER: 14ID-30-L835-CFD3

**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	40.4	43.6	48.4	53.3	56.5
115°	37.1	40.4	45.2	48.4	51.7
117.5°	35.5	37.1	42.0	43.6	46.8
120°	32.3	33.9	38.7	40.4	42.0
122.5°	29.1	30.7	35.5	35.5	38.7
125°	27.4	27.4	32.3	32.3	33.9
127.5°	25.8	25.8	29.1	29.1	30.7
130°	22.6	22.6	25.8	25.8	25.8
132.5°	21.0	19.4	22.6	22.6	24.2
135°	19.4	17.8	19.4	19.4	21.0
137.5°	16.1	16.1	17.8	16.1	17.8
140°	14.5	12.9	14.5	14.5	16.1
142.5°	12.9	11.3	12.9	11.3	12.9
145°	11.3	9.7	9.7	9.7	11.3
147.5°	9.7	8.1	8.1	8.1	9.7
150°	8.1	6.5	6.5	6.5	8.1
152.5°	6.5	4.8	3.2	4.8	6.5
155°	4.8	4.8	1.6	3.2	4.8
157.5°	3.2	3.2	0.0	1.6	3.2
160°	1.6	1.6	0.0	1.6	1.6
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)