

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: P384059

Luminaire Tested: **14ID-25-L835-CFD1**

Issue Date: 2/25/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P384059  
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-25-L835-CFD1  
Description: 1X4 IN DEPTH TROFFER WITH 1INCH DROP CUBE LENS

Light Source: -  
Ballast/Driver: -

**Summary**

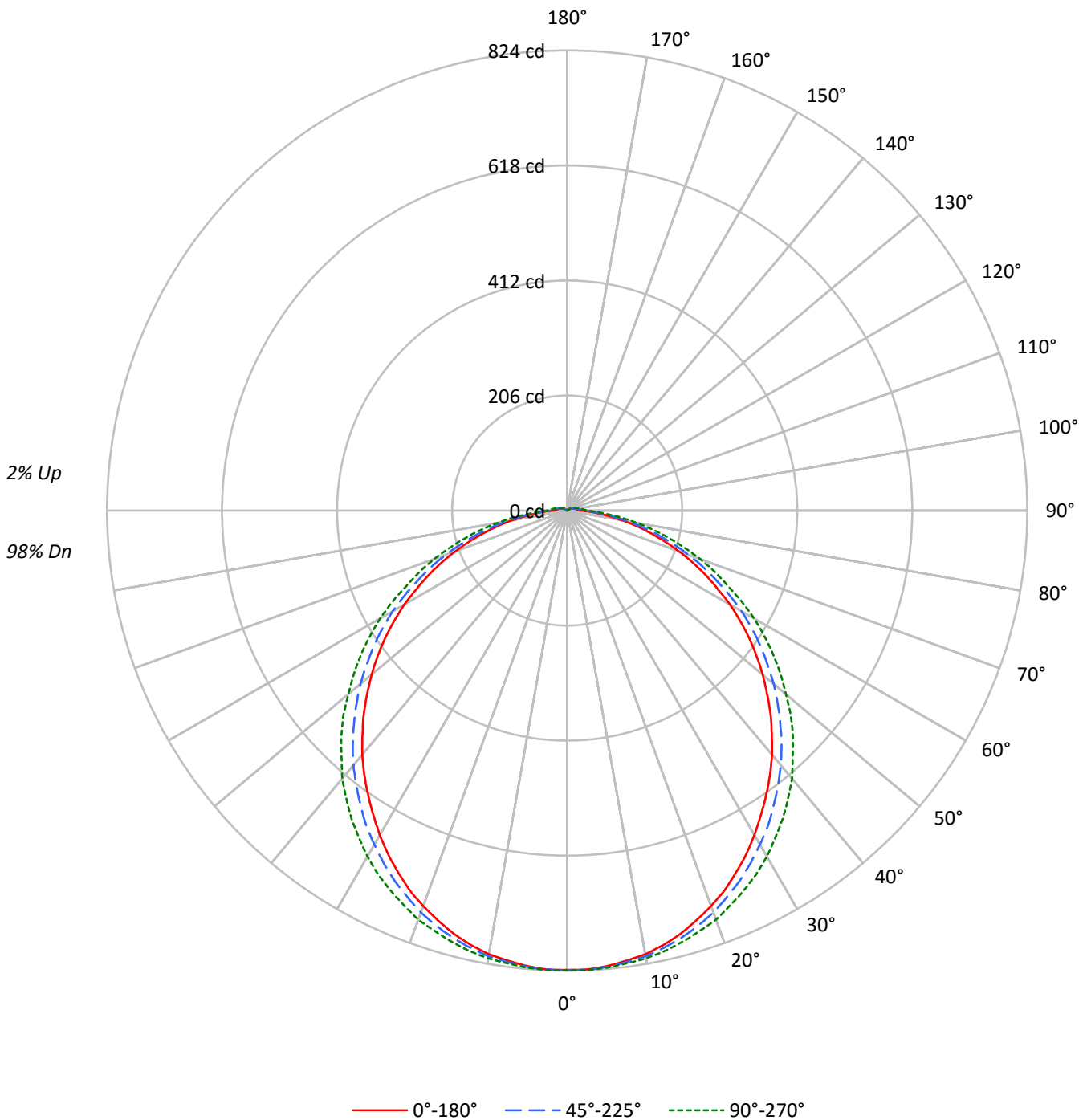
Lumens per Lamp: N/A  
Luminaire Lumens: 2436.6 lumens  
Efficiency: N/A  
Efficacy: 119.4 lumens/watt  
Spacing Criteria (0/90/45): 1.21 / 1.29 / 1.37  
Luminous Opening: Rectangular w/ Sides (W: 1' x L: 4' x H: 0.08')  
CIE Type: Direct

Input Watts (W): 20.4  
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: P384059  
CATALOG NUMBER: 14ID-25-L835-CFD1

### Luminous Intensity Polar Plot





TEST NUMBER: P384059

CATALOG NUMBER: 14ID-25-L835-CFD1

**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°	2214	2214	2214
5°	2208	2201	2203
10°	2196	2186	2192
15°	2173	2163	2178
20°	2142	2136	2167
25°	2103	2099	2143
30°	2060	2058	2120
35°	2012	2014	2090
40°	1970	1970	2056
45°	1920	1913	2009
50°	1867	1859	1948
55°	1812	1794	1891
60°	1752	1722	1818
65°	1671	1617	1708
70°	1581	1512	1621
75°	1478	1370	1490
80°	1369	1201	1326
85°	1324	1036	1132



TEST NUMBER: P384059

CATALOG NUMBER: 14ID-25-L835-CFD1

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	77.9	3.2
10°-20°	223.4	9.2
20°-30°	337.2	13.8
30°-40°	404.0	16.6
40°-50°	417.7	17.1
50°-60°	378.3	15.5
60°-70°	292.7	12.0
70°-80°	179.8	7.4
80°-90°	71.4	2.9
90°-100°	26.1	1.1
100°-110°	16.0	0.7
110°-120°	8.2	0.3
120°-130°	3.5	0.1
130°-140°	0.2	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°	638.5	26.2
0°-40°	1042.5	42.8
0°-60°	1838.5	75.5
0°-90°	2382.5	97.8
90°-120°	50.3	2.1
90°-150°	54.1	2.2
90°-180°	54.0	2.2
0°-180°	2436.6	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	823	823	823	823	823	
5°	819	819	820	820	822	78
15°	784	786	792	797	799	221
25°	715	720	731	744	750	330
35°	621	629	645	662	673	389
45°	515	521	540	562	572	397
55°	398	406	422	441	451	355
65°	274	280	294	309	316	271
75°	153	161	168	179	188	163
85°	53	57	62	68	72	53
90°	25	28	31	35	37	15
95°	18	21	24	26	28	15
105°	14	14	15	16	17	14
115°	9	7	7	9	10	9
125°	5	4	2	4	5	5
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



TEST NUMBER: P384059

CATALOG NUMBER: 14ID-25-L835-CFD1

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	822.7	822.7	822.7	822.7	822.7
2.5°	822.7	821.5	822.7	822.7	823.9
5°	819.0	819.0	820.2	820.2	821.5
7.5°	812.8	812.8	815.3	816.5	817.8
10°	806.6	806.6	810.4	811.6	814.1
12.5°	796.8	798.0	801.7	805.4	807.9
15°	784.4	785.6	791.8	796.8	799.2
17.5°	769.6	772.1	779.5	786.9	789.4
20°	753.5	757.2	765.9	774.5	779.5
22.5°	736.2	738.7	748.6	759.7	764.6
25°	715.2	720.2	731.3	743.6	749.8
27.5°	694.2	699.2	711.5	726.4	733.8
30°	670.8	675.7	690.5	706.6	715.2
32.5°	646.1	652.2	669.5	685.6	694.2
35°	621.4	628.8	644.8	662.1	673.2
37.5°	596.6	602.8	620.1	638.6	649.8
40°	570.7	576.9	595.4	613.9	626.3
42.5°	542.3	549.7	568.2	588.0	597.9
45°	515.1	521.3	539.8	562.1	571.9
47.5°	485.5	494.1	511.4	532.4	543.5
50°	457.1	464.5	483.0	502.8	511.4
52.5°	427.4	434.8	452.1	471.9	481.8
55°	397.8	406.4	422.5	441.0	450.9
57.5°	366.9	375.5	391.6	407.6	418.8
60°	337.2	345.9	360.7	376.8	386.6
62.5°	303.9	311.3	327.4	344.6	352.1
65°	274.2	280.4	294.0	308.8	316.2
67.5°	243.4	250.8	263.1	276.7	285.4
70°	212.5	221.1	231.0	243.4	253.2
72.5°	182.8	190.2	198.9	211.2	219.9
75°	153.2	160.6	168.0	179.1	187.8
77.5°	127.2	130.9	138.4	148.2	156.9
80°	98.8	103.8	109.9	119.8	126.0
82.5°	74.1	79.1	84.0	91.4	97.6
85°	53.1	56.8	61.8	67.9	71.6
87.5°	35.8	39.5	43.2	48.2	51.9
90°	24.7	28.4	30.9	34.6	37.1
92.5°	21.0	23.5	25.9	28.4	30.9
95°	18.5	21.0	23.5	25.9	28.4
97.5°	17.3	18.5	21.0	23.5	24.7
100°	16.1	17.3	18.5	21.0	22.2
102.5°	14.8	14.8	17.3	18.5	19.8
105°	13.6	13.6	14.8	16.1	17.3
107.5°	12.4	12.4	13.6	13.6	16.1
110°	11.1	9.9	11.1	11.1	13.6



TEST NUMBER: P384059

CATALOG NUMBER: 14ID-25-L835-CFD1

**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	9.9	8.6	9.9	9.9	11.1
115°	8.6	7.4	7.4	8.6	9.9
117.5°	7.4	6.2	6.2	6.2	8.6
120°	7.4	6.2	4.9	4.9	7.4
122.5°	6.2	4.9	3.7	4.9	6.2
125°	4.9	3.7	2.5	3.7	4.9
127.5°	3.7	3.7	1.2	2.5	3.7
130°	3.7	2.5	1.2	2.5	2.5
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)