

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: P384095

Luminaire Tested: **14ID-70-L835-CFD1**

Issue Date: 2/25/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P384095  
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-70-L835-CFD1  
Description: 1X4 IN DEPTH TROFFER WITH 1INCH DROP CUBE LENS

Light Source: -  
Ballast/Driver: -

**Summary**

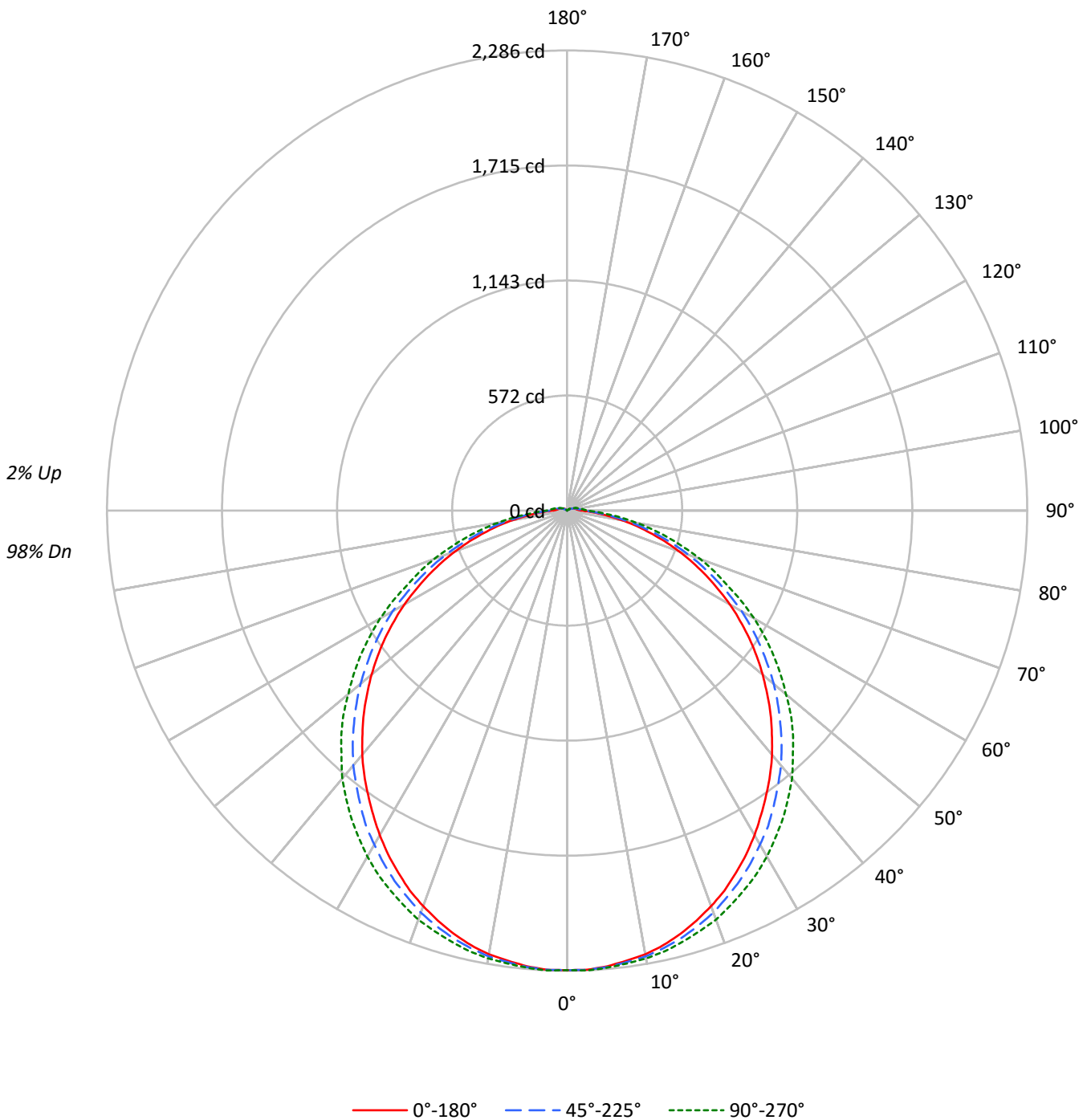
Lumens per Lamp: N/A  
Luminaire Lumens: 6761.6 lumens  
Efficiency: N/A  
Efficacy: 103.1 lumens/watt  
Spacing Criteria (0/90/45): 1.21 / 1.29 / 1.37  
Luminous Opening: Rectangular w/ Sides (W: 1' x L: 4' x H: 0.08')  
CIE Type: Direct

Input Watts (W): 65.6  
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: P384095  
CATALOG NUMBER: 14ID-70-L835-CFD1

### Luminous Intensity Polar Plot





TEST NUMBER: P384095

CATALOG NUMBER: 14ID-70-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°	6144	6144	6144
5°	6128	6109	6113
10°	6094	6066	6083
15°	6031	6003	6044
20°	5943	5927	6012
25°	5837	5826	5947
30°	5715	5711	5884
35°	5583	5590	5799
40°	5468	5467	5706
45°	5329	5310	5575
50°	5181	5158	5405
55°	5029	4977	5246
60°	4861	4778	5047
65°	4638	4487	4741
70°	4388	4195	4499
75°	4101	3802	4133
80°	3800	3335	3680
85°	3676	2874	3144



TEST NUMBER: P384095

CATALOG NUMBER: 14ID-70-L835-CFD1

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	216.2	3.2
10°-20°	619.8	9.2
20°-30°	935.8	13.8
30°-40°	1121.2	16.6
40°-50°	1159.2	17.1
50°-60°	1049.7	15.5
60°-70°	812.3	12.0
70°-80°	499.0	7.4
80°-90°	198.3	2.9
90°-100°	72.3	1.1
100°-110°	44.4	0.7
110°-120°	22.9	0.3
120°-130°	9.8	0.1
130°-140°	0.7	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°	1771.8	26.2
0°-40°	2893.0	42.8
0°-60°	5102.0	75.5
0°-90°	6611.6	97.8
90°-120°	139.6	2.1
90°-150°	150.0	2.2
90°-180°	150.0	2.2
0°-180°	6761.6	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	2283	2283	2283	2283	2283	
5°	2273	2273	2276	2276	2280	216
15°	2177	2180	2197	2211	2218	614
25°	1985	1998	2029	2064	2081	915
35°	1724	1745	1789	1837	1868	1080
45°	1430	1447	1498	1560	1587	1102
55°	1104	1128	1172	1224	1251	986
65°	761	778	816	857	878	753
75°	425	446	466	497	521	453
85°	147	158	171	188	199	147
90°	69	79	86	96	103	40
95°	51	58	65	72	79	41
105°	38	38	41	45	48	40
115°	24	21	21	24	27	24
125°	14	10	7	10	14	13
135°	0	0	0	0	0	1
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: P384095

CATALOG NUMBER: 14ID-70-L835-CFD1

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	2283.0	2283.0	2283.0	2283.0	2283.0
2.5°	2283.0	2279.6	2283.0	2283.0	2286.5
5°	2272.7	2272.7	2276.2	2276.2	2279.6
7.5°	2255.6	2255.6	2262.5	2265.9	2269.3
10°	2238.5	2238.5	2248.7	2252.2	2259.0
12.5°	2211.0	2214.5	2224.8	2235.0	2241.9
15°	2176.8	2180.2	2197.3	2211.0	2217.9
17.5°	2135.6	2142.5	2163.0	2183.6	2190.5
20°	2091.1	2101.3	2125.3	2149.3	2163.0
22.5°	2043.1	2049.9	2077.3	2108.2	2121.9
25°	1984.8	1998.5	2029.4	2063.6	2080.8
27.5°	1926.5	1940.2	1974.5	2015.6	2036.2
30°	1861.4	1875.1	1916.2	1960.8	1984.8
32.5°	1792.8	1810.0	1858.0	1902.5	1926.5
35°	1724.3	1744.8	1789.4	1837.4	1868.2
37.5°	1655.7	1672.8	1720.8	1772.3	1803.1
40°	1583.7	1600.9	1652.3	1703.7	1738.0
42.5°	1504.9	1525.4	1576.9	1631.7	1659.1
45°	1429.5	1446.6	1498.0	1559.7	1587.1
47.5°	1347.2	1371.2	1419.2	1477.5	1508.3
50°	1268.3	1288.9	1340.3	1395.2	1419.2
52.5°	1186.1	1206.6	1254.6	1309.5	1336.9
55°	1103.8	1127.8	1172.4	1223.8	1251.2
57.5°	1018.1	1042.1	1086.7	1131.2	1162.1
60°	935.8	959.8	1001.0	1045.5	1073.0
62.5°	843.3	863.8	908.4	956.4	977.0
65°	761.0	778.1	815.9	857.0	877.6
67.5°	675.3	695.9	730.2	767.9	791.9
70°	589.6	613.6	641.0	675.3	702.7
72.5°	507.3	527.9	551.9	586.2	610.2
75°	425.1	445.6	466.2	497.1	521.1
77.5°	353.1	363.4	383.9	411.4	435.4
80°	274.2	287.9	305.1	332.5	349.7
82.5°	205.7	219.4	233.1	253.7	270.8
85°	147.4	157.7	171.4	188.5	198.8
87.5°	99.4	109.7	120.0	133.7	144.0
90°	68.6	78.8	85.7	96.0	102.8
92.5°	58.3	65.1	72.0	78.8	85.7
95°	51.4	58.3	65.1	72.0	78.8
97.5°	48.0	51.4	58.3	65.1	68.6
100°	44.6	48.0	51.4	58.3	61.7
102.5°	41.1	41.1	48.0	51.4	54.8
105°	37.7	37.7	41.1	44.6	48.0
107.5°	34.3	34.3	37.7	37.7	44.6
110°	30.9	27.4	30.9	30.9	37.7



TEST NUMBER: P384095

CATALOG NUMBER: 14ID-70-L835-CFD1

**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	27.4	24.0	27.4	27.4	30.9
115°	24.0	20.6	20.6	24.0	27.4
117.5°	20.6	17.1	17.1	17.1	24.0
120°	20.6	17.1	13.7	13.7	20.6
122.5°	17.1	13.7	10.3	13.7	17.1
125°	13.7	10.3	6.9	10.3	13.7
127.5°	10.3	10.3	3.4	6.9	10.3
130°	10.3	6.9	3.4	6.9	6.9
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)