

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: P384319

Luminaire Tested: **22ID-70-L835-CFD2**

Issue Date: 2/25/2020

Test Information

Test Method: LM-79-08
Report Number: P384319
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: 22ID-70-L835-CFD2
Description: 2X2 IN DEPTH TROFFER WITH 2INCH DROP CUBE LENS

Light Source: -
Ballast/Driver: -

Summary

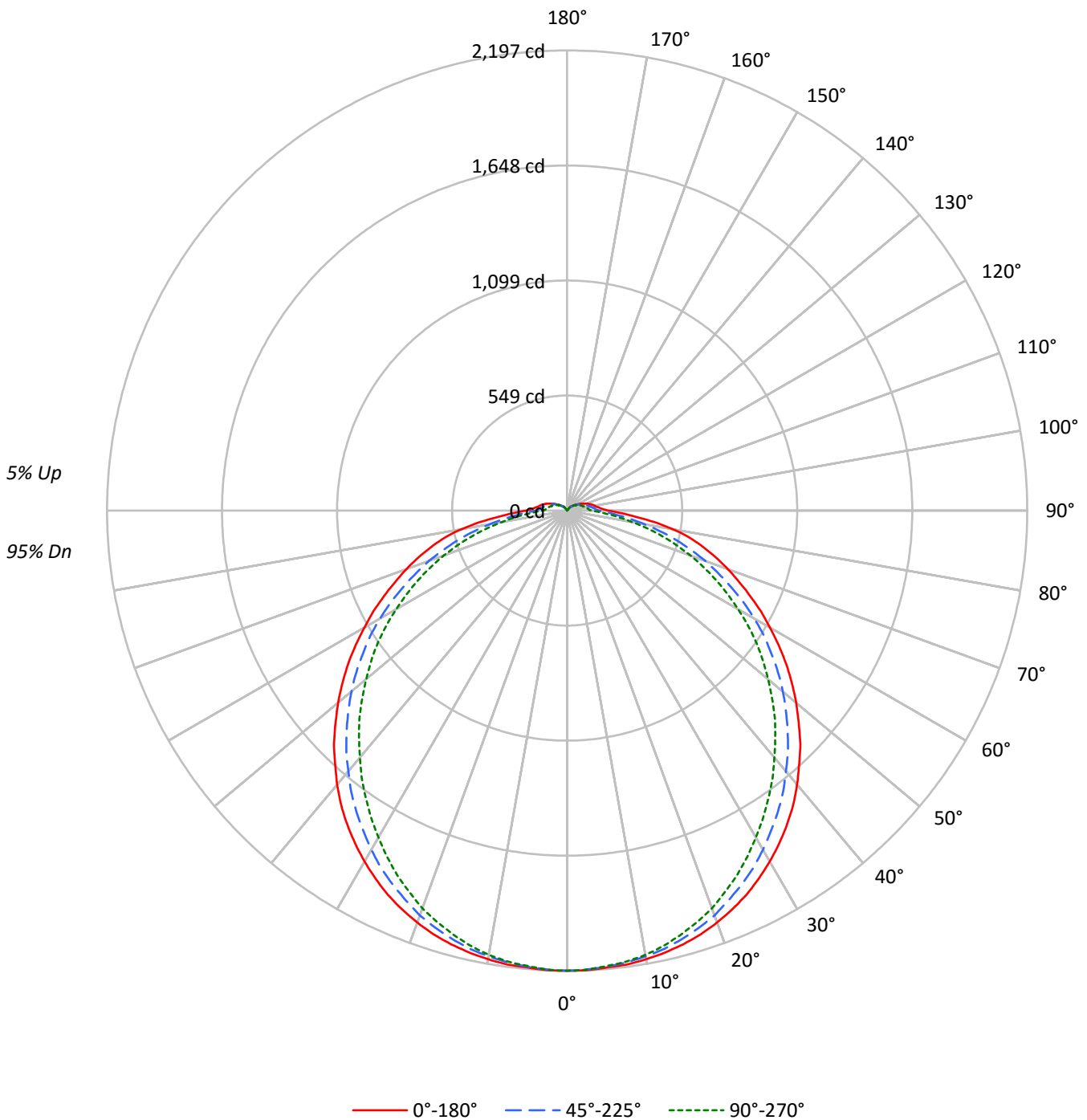
Lumens per Lamp: N/A
Luminaire Lumens: 7125.8 lumens
Efficiency: N/A
Efficacy: 116.6 lumens/watt
Spacing Criteria (0/90/45): 1.31 / 1.22 / 1.38
Luminous Opening: Rectangular w/ Sides (W: 2' x L: 2' x H: 0.17')
CIE Type: Direct

Input Watts (W): 61.1
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	50	30	10	0	
RCR																						
0	118	118	118	118	114	114	114	114	108	108	108	102	102	102	97	97	97	95				95
1	106	101	96	92	103	98	94	90	93	90	86	88	85	83	84	81	79	77				77
2	96	87	80	74	93	85	78	73	81	75	70	77	72	68	73	69	66	63				63
3	87	76	68	61	84	74	67	60	71	64	58	67	62	57	64	59	55	53				53
4	80	68	58	51	77	66	57	51	63	55	50	60	53	48	57	51	47	45				45
5	73	60	51	44	71	59	50	44	56	48	43	53	47	42	51	45	41	38				38
6	68	54	45	38	65	53	44	38	50	43	37	48	42	36	46	40	36	33				33
7	63	49	40	34	61	48	39	33	46	38	33	44	37	32	42	36	32	30				30
8	58	45	36	30	56	44	35	30	42	35	29	40	34	29	39	33	28	26				26
9	54	41	33	27	53	40	32	27	39	31	26	37	31	26	36	30	25	24				24
10	51	38	30	24	50	37	29	24	36	29	24	34	28	23	33	27	23	21				21

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	5912	5912	5912
5°	5872	5845	5853
10°	5858	5785	5800
15°	5840	5720	5713
20°	5816	5648	5617
25°	5786	5546	5488
30°	5735	5440	5341
35°	5681	5325	5201
40°	5608	5196	5053
45°	5532	5068	4926
50°	5436	4937	4765
55°	5352	4779	4628
60°	5259	4613	4431
65°	5206	4386	4235
70°	5225	4168	4006
75°	5333	3869	3708
80°	5411	3474	3330
85°	5117	3122	3071



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	207.9	2.9
10°-20°	597.9	8.4
20°-30°	908.2	12.7
30°-40°	1097.0	15.4
40°-50°	1148.1	16.1
50°-60°	1065.4	15.0
60°-70°	862.9	12.1
70°-80°	582.3	8.2
80°-90°	281.3	3.9
90°-100°	141.5	2.0
100°-110°	102.9	1.4
110°-120°	68.7	1.0
120°-130°	39.8	0.6
130°-140°	20.1	0.3
140°-150°	1.5	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	1714.0	24.1
0°-40°	2811.0	39.4
0°-60°	5024.5	70.5
0°-90°	6751.1	94.7
90°-120°	313.2	4.4
90°-150°	374.7	5.3
90°-180°	375.0	5.3
0°-180°	7125.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2197	2197	2197	2197	2197	
5°	2190	2186	2186	2183	2183	209
15°	2143	2132	2118	2104	2096	605
25°	2024	2006	1970	1934	1920	933
35°	1830	1805	1755	1701	1676	1145
45°	1575	1546	1489	1428	1402	1213
55°	1276	1248	1190	1133	1104	1141
65°	964	928	863	816	784	956
75°	672	604	536	496	468	708
85°	324	280	237	216	194	306
90°	194	176	151	137	115	111
95°	155	144	129	115	101	121
105°	115	108	97	86	79	123
115°	79	72	72	61	61	79
125°	50	43	47	40	43	44
135°	29	25	25	25	29	22
145°	0	0	0	0	0	2
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°	2197.0	2197.0	2197.0	2197.0	2197.0
2.5°	2197.0	2193.4	2193.4	2193.4	2193.4
5°	2189.8	2186.2	2186.2	2182.6	2182.6
7.5°	2186.2	2179.0	2175.4	2171.8	2171.8
10°	2175.4	2168.3	2161.1	2153.9	2153.9
12.5°	2161.1	2153.9	2143.1	2128.7	2128.7
15°	2143.1	2132.3	2117.9	2103.5	2096.3
17.5°	2121.5	2110.7	2089.1	2067.6	2060.4
20°	2092.7	2078.4	2056.8	2028.0	2020.8
22.5°	2060.4	2046.0	2013.6	1984.9	1970.5
25°	2024.4	2006.4	1970.5	1934.5	1920.1
27.5°	1981.3	1963.3	1923.7	1880.6	1862.6
30°	1934.5	1913.0	1869.8	1823.1	1801.5
32.5°	1884.2	1859.0	1812.3	1761.9	1740.4
35°	1830.2	1805.1	1754.7	1700.8	1675.6
37.5°	1772.7	1747.5	1693.6	1636.1	1610.9
40°	1708.0	1682.8	1625.3	1567.8	1539.0
42.5°	1639.7	1618.1	1560.6	1499.4	1470.7
45°	1574.9	1546.2	1488.7	1427.5	1402.4
47.5°	1499.4	1477.9	1416.7	1355.6	1326.8
50°	1427.5	1402.4	1344.8	1283.7	1251.3
52.5°	1352.0	1330.4	1269.3	1208.2	1179.4
55°	1276.5	1247.7	1190.2	1132.7	1103.9
57.5°	1197.4	1172.2	1114.7	1060.8	1024.8
60°	1118.3	1093.1	1032.0	981.6	942.1
62.5°	1042.8	1014.0	949.3	895.3	863.0
65°	963.7	927.7	863.0	816.2	783.9
67.5°	888.2	845.0	780.3	737.1	704.8
70°	816.2	765.9	701.2	658.0	625.7
72.5°	744.3	683.2	614.9	575.3	546.6
75°	672.4	604.1	535.8	496.2	467.5
77.5°	600.5	521.4	453.1	420.7	391.9
80°	514.2	438.7	374.0	345.2	316.4
82.5°	417.1	356.0	302.0	273.3	251.7
85°	323.6	280.5	237.3	215.7	194.2
87.5°	251.7	219.3	187.0	169.0	151.0
90°	194.2	176.2	151.0	136.6	115.1
92.5°	169.0	154.6	136.6	122.3	104.3
95°	154.6	143.8	129.4	115.1	100.7
97.5°	140.2	133.0	118.7	107.9	93.5
100°	133.0	122.3	111.5	100.7	89.9
102.5°	125.9	115.1	104.3	93.5	86.3
105°	115.1	107.9	97.1	86.3	79.1
107.5°	107.9	97.1	89.9	79.1	75.5
110°	97.1	89.9	82.7	75.5	71.9



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	86.3	82.7	75.5	68.3	64.7
115°	79.1	71.9	71.9	61.1	61.1
117.5°	71.9	64.7	64.7	57.5	57.5
120°	61.1	57.5	57.5	50.3	50.3
122.5°	53.9	50.3	50.3	46.7	46.7
125°	50.3	43.1	46.7	39.6	43.1
127.5°	43.1	39.6	39.6	36.0	39.6
130°	36.0	32.4	32.4	32.4	36.0
132.5°	32.4	28.8	28.8	28.8	32.4
135°	28.8	25.2	25.2	25.2	28.8
137.5°	25.2	21.6	18.0	21.6	25.2
140°	21.6	18.0	14.4	18.0	21.6
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)