

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: P384323

Luminaire Tested: **22ID-75-L835-CFD2**

Issue Date: 2/25/2020

Test Information

Test Method: LM-79-08
Report Number: P384323
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-75-L835-CFD2
Description: 2X2 IN DEPTH TROFFER WITH 2INCH DROP CUBE LENS

Light Source: -
Ballast/Driver: -

Summary

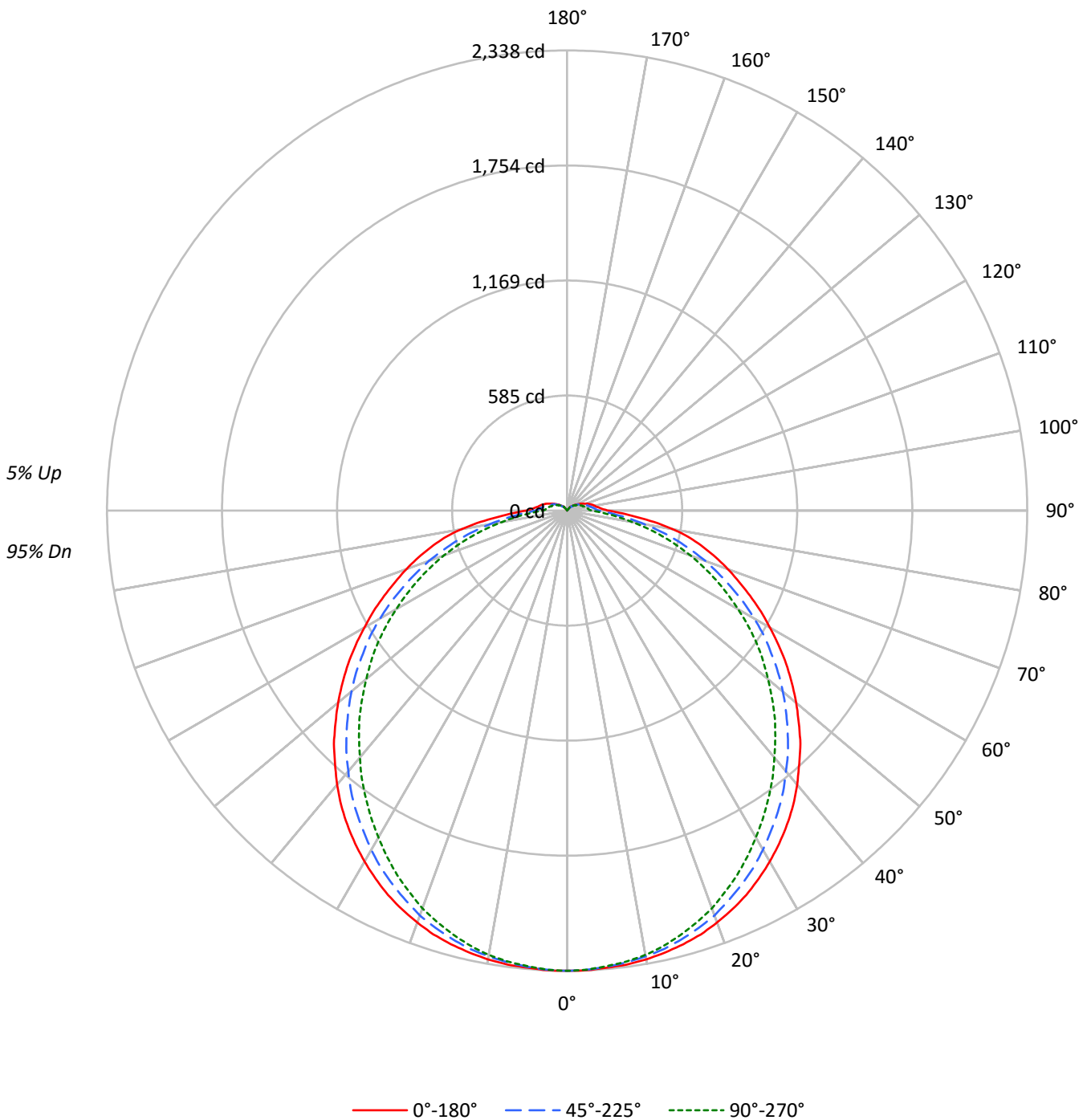
Lumens per Lamp: N/A
Luminaire Lumens: 7583.8 lumens
Efficiency: N/A
Efficacy: 115.3 lumens/watt
Spacing Criteria (0/90/45): 1.31 / 1.22 / 1.38
Luminous Opening: Rectangular w/ Sides (W: 2' x L: 2' x H: 0.17')
CIE Type: Direct

Input Watts (W): 65.8
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	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°	6292	6292	6292
5°	6250	6221	6229
10°	6235	6157	6173
15°	6215	6087	6080
20°	6190	6011	5978
25°	6158	5902	5841
30°	6104	5790	5684
35°	6046	5667	5535
40°	5968	5530	5378
45°	5888	5394	5243
50°	5786	5254	5072
55°	5696	5087	4926
60°	5598	4909	4715
65°	5540	4669	4507
70°	5561	4435	4263
75°	5675	4117	3945
80°	5758	3697	3544
85°	5446	3323	3269



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	221.3	2.9
10°-20°	636.4	8.4
20°-30°	966.5	12.7
30°-40°	1167.5	15.4
40°-50°	1221.9	16.1
50°-60°	1133.8	15.0
60°-70°	918.4	12.1
70°-80°	619.8	8.2
80°-90°	299.4	3.9
90°-100°	150.6	2.0
100°-110°	109.5	1.4
110°-120°	73.2	1.0
120°-130°	42.4	0.6
130°-140°	21.4	0.3
140°-150°	1.6	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	1824.2	24.1
0°-40°	2991.7	39.4
0°-60°	5347.5	70.5
0°-90°	7185.1	94.7
90°-120°	333.3	4.4
90°-150°	398.7	5.3
90°-180°	399.0	5.3
0°-180°	7583.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2338	2338	2338	2338	2338	
5°	2331	2327	2327	2323	2323	222
15°	2281	2269	2254	2239	2231	644
25°	2154	2135	2097	2059	2044	993
35°	1948	1921	1868	1810	1783	1219
45°	1676	1646	1584	1519	1492	1291
55°	1358	1328	1267	1206	1175	1214
65°	1026	987	918	869	834	1018
75°	716	643	570	528	498	754
85°	344	298	253	230	207	325
90°	207	188	161	145	122	118
95°	165	153	138	122	107	129
105°	122	115	103	92	84	131
115°	84	76	76	65	65	84
125°	54	46	50	42	46	47
135°	31	27	27	27	31	24
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°	2338.2	2338.2	2338.2	2338.2	2338.2
2.5°	2338.2	2334.4	2334.4	2334.4	2334.4
5°	2330.6	2326.7	2326.7	2322.9	2322.9
7.5°	2326.7	2319.1	2315.3	2311.4	2311.4
10°	2315.3	2307.6	2300.0	2292.3	2292.3
12.5°	2300.0	2292.3	2280.8	2265.5	2265.5
15°	2280.8	2269.3	2254.0	2238.7	2231.1
17.5°	2257.9	2246.4	2223.4	2200.5	2192.8
20°	2227.2	2211.9	2189.0	2158.4	2150.7
22.5°	2192.8	2177.5	2143.1	2112.4	2097.1
25°	2154.5	2135.4	2097.1	2058.9	2043.6
27.5°	2108.6	2089.5	2047.4	2001.5	1982.3
30°	2058.9	2035.9	1990.0	1940.2	1917.3
32.5°	2005.3	1978.5	1928.8	1875.2	1852.2
35°	1947.9	1921.1	1867.5	1810.1	1783.3
37.5°	1886.7	1859.9	1802.5	1741.2	1714.4
40°	1817.8	1791.0	1729.8	1668.5	1637.9
42.5°	1745.1	1722.1	1660.9	1595.8	1565.2
45°	1676.2	1645.6	1584.3	1519.3	1492.5
47.5°	1595.8	1572.9	1507.8	1442.7	1412.1
50°	1519.3	1492.5	1431.3	1366.2	1331.8
52.5°	1438.9	1415.9	1350.9	1285.8	1255.2
55°	1358.5	1327.9	1266.7	1205.5	1174.9
57.5°	1274.4	1247.6	1186.3	1128.9	1090.7
60°	1190.2	1163.4	1098.3	1044.7	1002.6
62.5°	1109.8	1079.2	1010.3	952.9	918.5
65°	1025.6	987.3	918.5	868.7	834.3
67.5°	945.2	899.3	830.4	784.5	750.1
70°	868.7	815.1	746.2	700.3	665.9
72.5°	792.2	727.1	654.4	612.3	581.7
75°	715.6	642.9	570.2	528.1	497.5
77.5°	639.1	554.9	482.2	447.7	417.1
80°	547.2	466.9	398.0	367.4	336.8
82.5°	443.9	378.9	321.5	290.8	267.9
85°	344.4	298.5	252.6	229.6	206.7
87.5°	267.9	233.4	199.0	179.9	160.7
90°	206.7	187.5	160.7	145.4	122.5
92.5°	179.9	164.6	145.4	130.1	111.0
95°	164.6	153.1	137.8	122.5	107.2
97.5°	149.2	141.6	126.3	114.8	99.5
100°	141.6	130.1	118.6	107.2	95.7
102.5°	133.9	122.5	111.0	99.5	91.8
105°	122.5	114.8	103.3	91.8	84.2
107.5°	114.8	103.3	95.7	84.2	80.4
110°	103.3	95.7	88.0	80.4	76.5



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	91.8	88.0	80.4	72.7	68.9
115°	84.2	76.5	76.5	65.1	65.1
117.5°	76.5	68.9	68.9	61.2	61.2
120°	65.1	61.2	61.2	53.6	53.6
122.5°	57.4	53.6	53.6	49.7	49.7
125°	53.6	45.9	49.7	42.1	45.9
127.5°	45.9	42.1	42.1	38.3	42.1
130°	38.3	34.4	34.4	34.4	38.3
132.5°	34.4	30.6	30.6	30.6	34.4
135°	30.6	26.8	26.8	26.8	30.6
137.5°	26.8	23.0	19.1	23.0	26.8
140°	23.0	19.1	15.3	19.1	23.0
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)