

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: P384151

Luminaire Tested: **22ID-70-L835-CFD1**

Issue Date: 2/25/2020

Test Information

Test Method: LM-79-08
Report Number: P384151
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: 22ID-70-L835-CFD1
Description: 2X2 IN DEPTH TROFFER WITH 1INCH DROP CUBE LENS

Light Source: -
Ballast/Driver: -

Summary

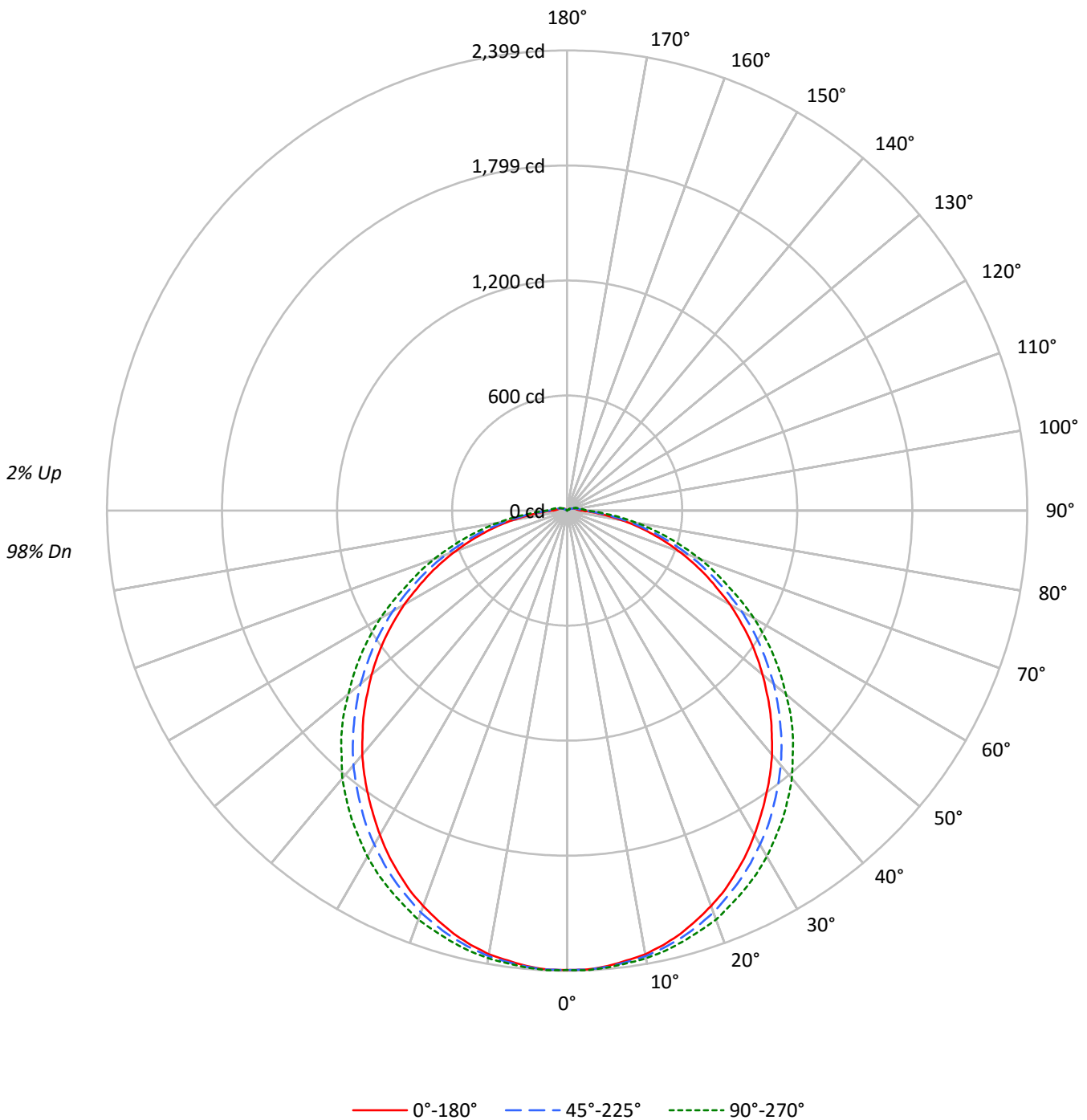
Lumens per Lamp: N/A
Luminaire Lumens: 7093.4 lumens
Efficiency: N/A
Efficacy: 116.1 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.29 / 1.37
Luminous Opening: Rectangular w/ Sides (W: 2' x L: 2' x H: 0.08')
CIE Type: Direct

Input Watts (W): 61.1
Input Voltage (V): NR
Input Current (Ain): 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	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°	6445	6445	6445
5°	6417	6417	6437
10°	6370	6380	6429
15°	6292	6322	6410
20°	6188	6251	6401
25°	6065	6152	6358
30°	5925	6041	6318
35°	5774	5922	6256
40°	5639	5802	6189
45°	5479	5648	6083
50°	5307	5500	5938
55°	5128	5322	5812
60°	4928	5128	5650
65°	4667	4839	5381
70°	4367	4554	5205
75°	4012	4169	4919
80°	3607	3718	4598
85°	3234	3318	4363



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	226.8	3.2
10°-20°	650.2	9.2
20°-30°	981.7	13.8
30°-40°	1176.2	16.6
40°-50°	1216.1	17.1
50°-60°	1101.3	15.5
60°-70°	852.2	12.0
70°-80°	523.5	7.4
80°-90°	208.0	2.9
90°-100°	75.9	1.1
100°-110°	46.6	0.7
110°-120°	24.0	0.3
120°-130°	10.2	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°	1858.7	26.2
0°-40°	3035.0	42.8
0°-60°	5352.3	75.5
0°-90°	6936.0	97.8
90°-120°	146.5	2.1
90°-150°	157.4	2.2
90°-180°	157.0	2.2
0°-180°	7093.4	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2395	2395	2395	2395	2395	
5°	2384	2384	2388	2388	2392	226
15°	2284	2287	2305	2320	2327	644
25°	2082	2097	2129	2165	2183	959
35°	1809	1830	1877	1928	1960	1133
45°	1500	1518	1572	1636	1665	1156
55°	1158	1183	1230	1284	1313	1035
65°	798	816	856	899	921	790
75°	446	468	489	521	547	475
85°	155	165	180	198	209	154
90°	72	83	90	101	108	42
95°	54	61	68	76	83	43
105°	40	40	43	47	50	42
115°	25	22	22	25	29	26
125°	14	11	7	11	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



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2395.1	2395.1	2395.1	2395.1	2395.1
2.5°	2395.1	2391.5	2395.1	2395.1	2398.7
5°	2384.3	2384.3	2387.9	2387.9	2391.5
7.5°	2366.3	2366.3	2373.5	2377.1	2380.7
10°	2348.3	2348.3	2359.1	2362.7	2369.9
12.5°	2319.5	2323.1	2333.9	2344.7	2351.9
15°	2283.6	2287.2	2305.2	2319.5	2326.7
17.5°	2240.4	2247.6	2269.2	2290.8	2298.0
20°	2193.7	2204.5	2229.6	2254.8	2269.2
22.5°	2143.3	2150.5	2179.3	2211.7	2226.0
25°	2082.2	2096.6	2128.9	2164.9	2182.9
27.5°	2021.1	2035.4	2071.4	2114.6	2136.1
30°	1952.7	1967.1	2010.3	2057.0	2082.2
32.5°	1880.8	1898.8	1949.1	1995.9	2021.1
35°	1808.9	1830.5	1877.2	1927.6	1959.9
37.5°	1737.0	1754.9	1805.3	1859.2	1891.6
40°	1661.4	1679.4	1733.4	1787.3	1823.3
42.5°	1578.7	1600.3	1654.2	1711.8	1740.6
45°	1499.6	1517.6	1571.5	1636.3	1665.0
47.5°	1413.3	1438.5	1488.8	1550.0	1582.3
50°	1330.6	1352.2	1406.1	1463.6	1488.8
52.5°	1244.3	1265.9	1316.2	1373.7	1402.5
55°	1158.0	1183.1	1229.9	1283.8	1312.6
57.5°	1068.1	1093.2	1140.0	1186.7	1219.1
60°	981.8	1006.9	1050.1	1096.8	1125.6
62.5°	884.7	906.2	953.0	1003.3	1024.9
65°	798.4	816.3	855.9	899.0	920.6
67.5°	708.4	730.0	766.0	805.5	830.7
70°	618.5	643.7	672.5	708.4	737.2
72.5°	532.2	553.8	579.0	614.9	640.1
75°	445.9	467.5	489.1	521.4	546.6
77.5°	370.4	381.2	402.8	431.5	456.7
80°	287.7	302.1	320.1	348.8	366.8
82.5°	215.8	230.2	244.5	266.1	284.1
85°	154.6	165.4	179.8	197.8	208.6
87.5°	104.3	115.1	125.9	140.3	151.0
90°	71.9	82.7	89.9	100.7	107.9
92.5°	61.1	68.3	75.5	82.7	89.9
95°	53.9	61.1	68.3	75.5	82.7
97.5°	50.3	53.9	61.1	68.3	71.9
100°	46.8	50.3	53.9	61.1	64.7
102.5°	43.2	43.2	50.3	53.9	57.5
105°	39.6	39.6	43.2	46.8	50.3
107.5°	36.0	36.0	39.6	39.6	46.8
110°	32.4	28.8	32.4	32.4	39.6



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	28.8	25.2	28.8	28.8	32.4
115°	25.2	21.6	21.6	25.2	28.8
117.5°	21.6	18.0	18.0	18.0	25.2
120°	21.6	18.0	14.4	14.4	21.6
122.5°	18.0	14.4	10.8	14.4	18.0
125°	14.4	10.8	7.2	10.8	14.4
127.5°	10.8	10.8	3.6	7.2	10.8
130°	10.8	7.2	3.6	7.2	7.2
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)