

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: P384656

Luminaire Tested: **22ID-70-L840-CFD3**

Issue Date: 2/25/2020

Test Information

Test Method: LM-79-08
Report Number: P384656
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1911-572-69)
Test Lab: INNOVATION CENTER (G2)
Issue Date: 2/25/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 22ID-70-L840-CFD3
Description: 2X2 IN DEPTH TROFFER WITH 3INCH DROP CUBE LENS

Light Source: -
Ballast/Driver: -

Summary

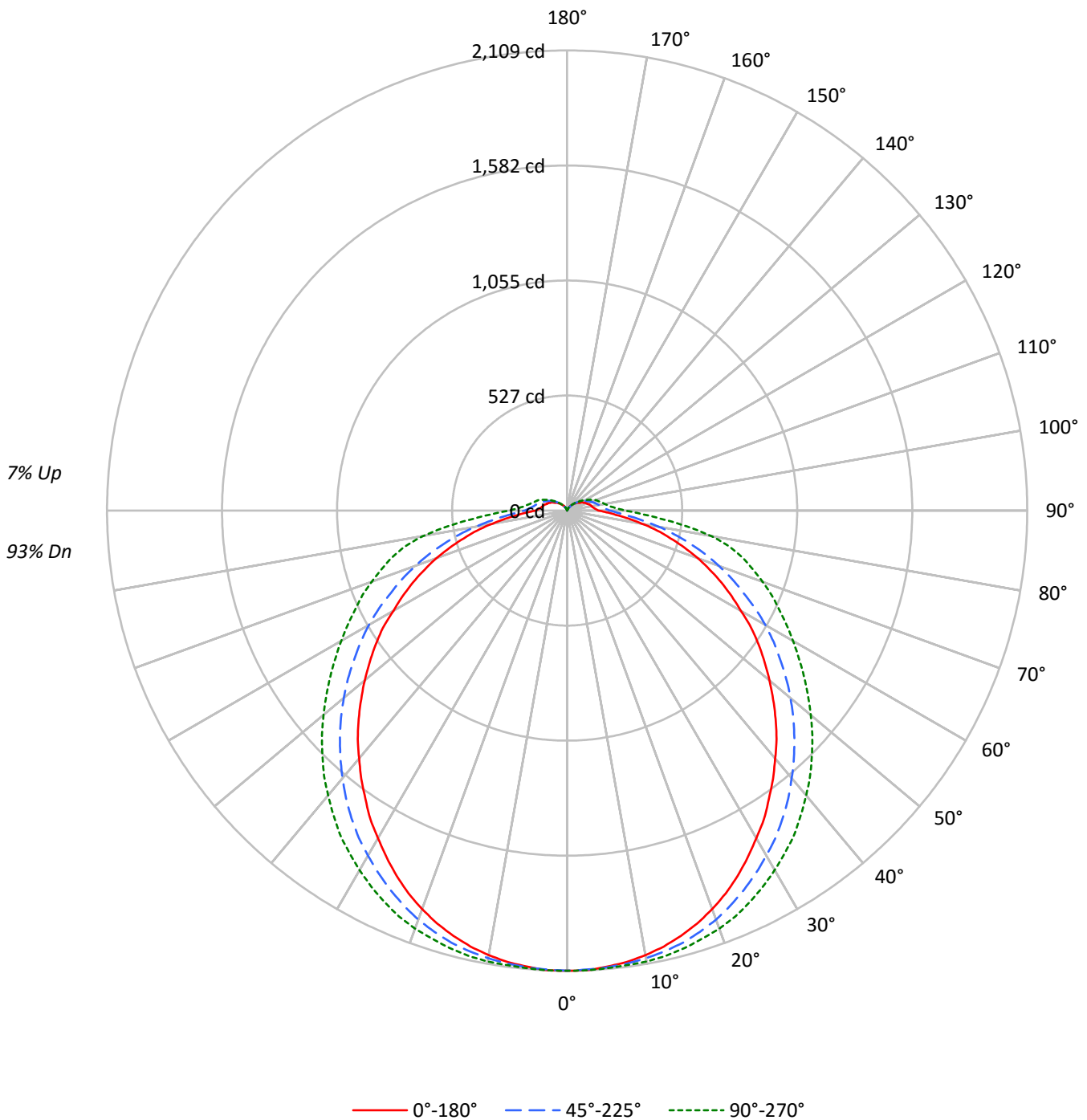
Lumens per Lamp: N/A
Luminaire Lumens: 7380.1 lumens
Efficiency: N/A
Efficacy: 119.4 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.34 / 1.41
Luminous Opening: Rectangular w/ Sides (W: 2' x L: 2' x H: 0.25')
CIE Type: Direct

Input Watts (W): 61.8
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	117	117	117	117	114	114	114	114	107	107	107	101	101	101	95	95	95	93
1	105	100	95	91	102	97	93	89	91	88	84	86	83	80	81	79	77	74
2	95	86	79	73	92	84	77	71	79	73	68	74	70	66	70	67	63	60
3	86	75	66	60	83	73	65	59	69	62	57	65	59	55	62	57	53	50
4	79	66	57	50	76	64	56	49	61	54	48	58	51	46	55	49	45	42
5	72	59	50	43	70	57	49	42	54	47	41	52	45	40	49	43	39	36
6	67	53	44	37	64	52	43	37	49	41	36	47	40	35	44	39	34	32
7	62	48	39	33	60	47	38	32	44	37	31	42	36	31	40	35	30	28
8	57	44	35	29	55	43	34	29	41	33	28	39	32	27	37	31	27	25
9	54	40	32	26	52	39	31	26	37	30	25	36	29	25	34	28	24	22
10	50	37	29	23	49	36	28	23	35	28	23	33	27	22	32	26	22	20

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	5675	5675	5675
5°	5606	5591	5625
10°	5530	5520	5609
15°	5437	5453	5596
20°	5323	5367	5585
25°	5184	5260	5556
30°	5024	5147	5515
35°	4870	5035	5481
40°	4716	4898	5418
45°	4569	4761	5366
50°	4412	4620	5311
55°	4264	4467	5275
60°	4071	4322	5292
65°	3918	4112	5378
70°	3729	3918	5583
75°	3470	3643	5897
80°	3171	3304	6075
85°	2854	2897	5474



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	200.0	2.7
10°-20°	577.9	7.8
20°-30°	882.9	12.0
30°-40°	1074.7	14.6
40°-50°	1135.9	15.4
50°-60°	1072.2	14.5
60°-70°	902.1	12.2
70°-80°	650.4	8.8
80°-90°	343.0	4.6
90°-100°	183.6	2.5
100°-110°	139.4	1.9
110°-120°	101.1	1.4
120°-130°	63.5	0.9
130°-140°	34.3	0.5
140°-150°	15.0	0.2
150°-160°	4.0	0.1
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-30°	1660.7	22.5
0°-40°	2735.4	37.1
0°-60°	4943.6	67.0
0°-90°	6839.0	92.7
90°-120°	424.2	5.7
90°-150°	537.0	7.3
90°-180°	541.0	7.3
0°-180°	7380.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2109	2109	2109	2109	2109	
5°	2098	2098	2102	2102	2105	199
15°	2017	2024	2050	2065	2076	569
25°	1848	1870	1918	1962	1980	851
35°	1612	1649	1722	1789	1814	1010
45°	1351	1391	1472	1553	1586	1042
55°	1071	1119	1192	1281	1325	957
65°	780	824	891	1001	1071	771
75°	490	530	582	696	832	520
85°	224	254	283	353	431	210
90°	144	169	195	232	265	82
95°	125	144	166	188	202	100
105°	107	118	132	147	155	112
115°	85	92	103	110	118	85
125°	63	63	74	74	77	56
135°	44	40	44	44	48	33
145°	26	22	22	22	26	16
155°	11	11	4	7	11	5
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°	2109.0	2109.0	2109.0	2109.0	2109.0
2.5°	2109.0	2105.3	2105.3	2105.3	2109.0
5°	2097.9	2097.9	2101.6	2101.6	2105.3
7.5°	2086.9	2086.9	2094.2	2097.9	2101.6
10°	2068.5	2072.2	2083.2	2090.6	2097.9
12.5°	2046.4	2050.1	2068.5	2083.2	2090.6
15°	2017.0	2024.3	2050.1	2064.8	2075.8
17.5°	1983.8	1994.9	2024.3	2046.4	2057.4
20°	1943.3	1958.1	1994.9	2024.3	2039.0
22.5°	1899.2	1913.9	1958.1	1994.9	2013.3
25°	1847.6	1869.7	1917.6	1961.7	1980.2
27.5°	1792.4	1818.2	1873.4	1924.9	1943.3
30°	1733.6	1763.0	1825.6	1880.8	1902.9
32.5°	1678.3	1707.8	1777.7	1836.6	1858.7
35°	1612.1	1648.9	1722.5	1788.8	1814.5
37.5°	1549.5	1586.3	1663.6	1733.6	1759.3
40°	1483.3	1520.1	1601.1	1678.3	1704.1
42.5°	1420.7	1457.5	1538.5	1619.5	1648.9
45°	1350.8	1391.3	1472.2	1553.2	1586.3
47.5°	1280.8	1321.3	1406.0	1490.6	1523.8
50°	1210.9	1255.1	1336.0	1420.7	1457.5
52.5°	1141.0	1185.1	1266.1	1354.5	1391.3
55°	1071.0	1118.9	1192.5	1280.8	1325.0
57.5°	1001.1	1049.0	1122.6	1214.6	1258.8
60°	920.1	975.4	1049.0	1144.7	1196.2
62.5°	850.2	898.1	971.7	1071.0	1133.6
65°	780.3	824.4	890.7	1001.1	1071.0
67.5°	706.7	754.5	817.1	920.1	1015.8
70°	636.7	677.2	739.8	846.5	953.3
72.5°	563.1	603.6	662.5	772.9	890.7
75°	489.5	530.0	581.5	695.6	831.8
77.5°	423.3	456.4	504.2	614.7	761.9
80°	349.7	382.8	426.9	526.3	669.9
82.5°	283.4	312.8	349.7	438.0	552.1
85°	224.5	254.0	283.4	353.3	430.6
87.5°	180.3	202.4	231.9	283.4	334.9
90°	143.5	169.3	195.1	231.9	265.0
92.5°	132.5	154.6	176.7	206.1	228.2
95°	125.1	143.5	165.6	187.7	202.4
97.5°	117.8	136.2	154.6	176.7	187.7
100°	114.1	128.8	147.2	165.6	173.0
102.5°	110.4	121.5	139.9	154.6	165.6
105°	106.7	117.8	132.5	147.2	154.6
107.5°	99.4	110.4	125.1	139.9	147.2
110°	95.7	103.1	117.8	128.8	139.9



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	92.0	99.4	110.4	121.5	128.8
115°	84.7	92.0	103.1	110.4	117.8
117.5°	81.0	84.7	95.7	99.4	106.7
120°	73.6	77.3	88.3	92.0	95.7
122.5°	66.3	69.9	81.0	81.0	88.3
125°	62.6	62.6	73.6	73.6	77.3
127.5°	58.9	58.9	66.3	66.3	69.9
130°	51.5	51.5	58.9	58.9	58.9
132.5°	47.8	44.2	51.5	51.5	55.2
135°	44.2	40.5	44.2	44.2	47.8
137.5°	36.8	36.8	40.5	36.8	40.5
140°	33.1	29.4	33.1	33.1	36.8
142.5°	29.4	25.8	29.4	25.8	29.4
145°	25.8	22.1	22.1	22.1	25.8
147.5°	22.1	18.4	18.4	18.4	22.1
150°	18.4	14.7	14.7	14.7	18.4
152.5°	14.7	11.0	7.4	11.0	14.7
155°	11.0	11.0	3.7	7.4	11.0
157.5°	7.4	7.4	0.0	3.7	7.4
160°	3.7	3.7	0.0	3.7	3.7
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)