

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: P384601

Luminaire Tested: **14ID-70-L850-CFD3**

Issue Date: 2/25/2020

Test Information

Test Method: LM-79-08
Report Number: P384601
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: 14ID-70-L850-CFD3
Description: 1X4 IN DEPTH TROFFER WITH 3INCH DROP CUBE LENS

Light Source: -
Ballast/Driver: -

Summary

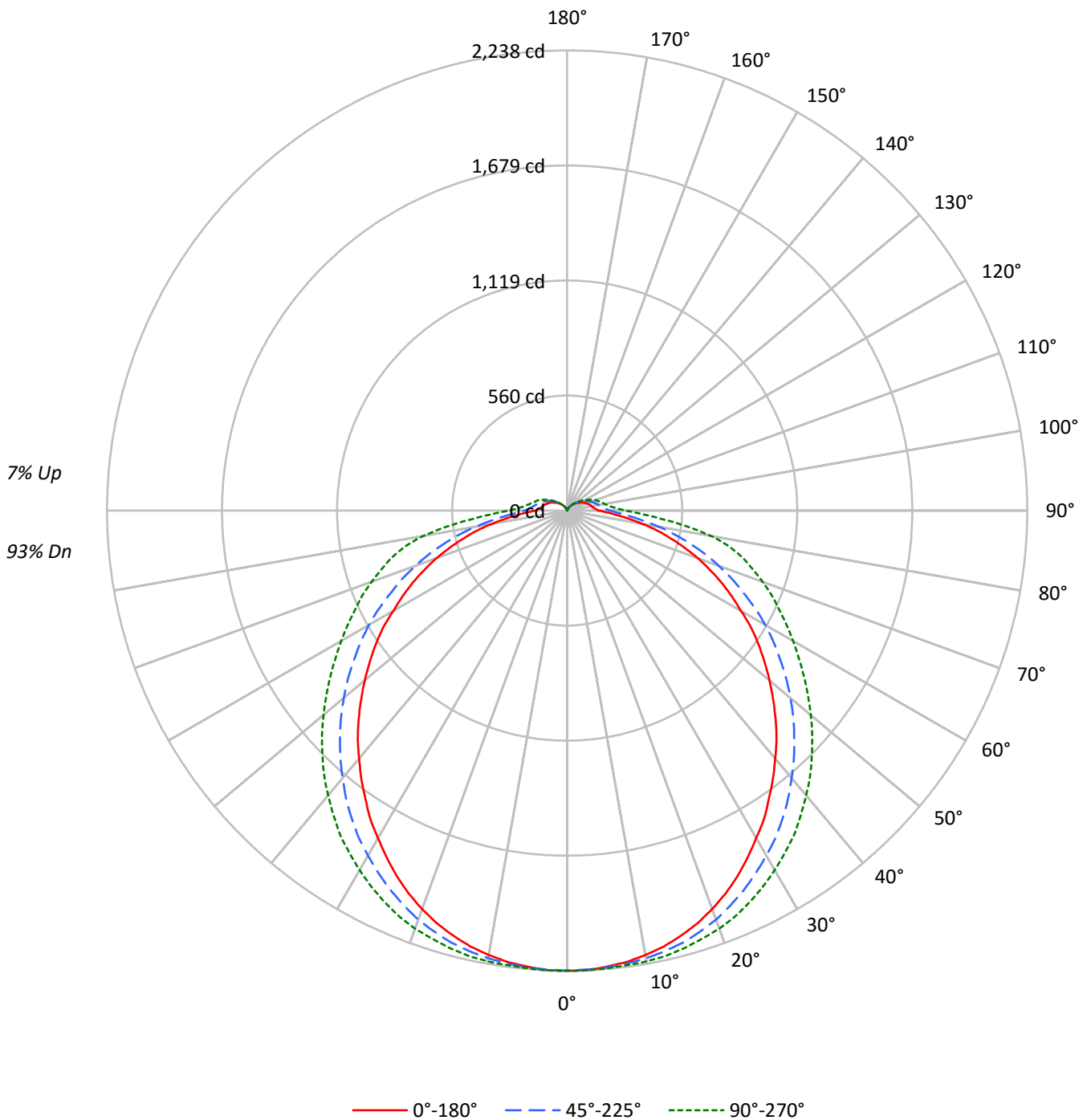
Lumens per Lamp: N/A
Luminaire Lumens: 7830.9 lumens
Efficiency: N/A
Efficacy: 119.4 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.34 / 1.41
Luminous Opening: Rectangular w/ Sides (W: 1' x L: 4' x H: 0.25')
CIE Type: Direct

Input Watts (W): 65.6
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	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°	6022	6022	6022
5°	5981	5910	5905
10°	5932	5814	5826
15°	5864	5721	5751
20°	5774	5610	5679
25°	5656	5477	5587
30°	5516	5338	5483
35°	5384	5200	5383
40°	5253	5034	5250
45°	5134	4869	5124
50°	5006	4698	4988
55°	4895	4512	4861
60°	4741	4332	4767
65°	4649	4083	4711
70°	4537	3843	4718
75°	4379	3516	4747
80°	4245	3116	4556
85°	4290	2633	3657



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	212.2	2.7
10°-20°	613.2	7.8
20°-30°	936.8	12.0
30°-40°	1140.3	14.6
40°-50°	1205.3	15.4
50°-60°	1137.7	14.5
60°-70°	957.2	12.2
70°-80°	690.1	8.8
80°-90°	363.9	4.6
90°-100°	194.8	2.5
100°-110°	148.0	1.9
110°-120°	107.3	1.4
120°-130°	67.4	0.9
130°-140°	36.4	0.5
140°-150°	15.9	0.2
150°-160°	4.2	0.1
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-30°	1762.2	22.5
0°-40°	2902.5	37.1
0°-60°	5245.5	67.0
0°-90°	7256.7	92.7
90°-120°	450.1	5.7
90°-150°	569.8	7.3
90°-180°	574.0	7.3
0°-180°	7830.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2238	2238	2238	2238	2238	
5°	2226	2226	2230	2230	2234	212
15°	2140	2148	2175	2191	2203	604
25°	1960	1984	2035	2082	2101	903
35°	1711	1750	1828	1898	1925	1071
45°	1433	1476	1562	1648	1683	1106
55°	1136	1187	1265	1359	1406	1016
65°	828	875	945	1062	1136	818
75°	519	562	617	738	883	551
85°	238	270	301	375	457	223
90°	152	180	207	246	281	87
95°	133	152	176	199	215	106
105°	113	125	141	156	164	118
115°	90	98	109	117	125	90
125°	66	66	78	78	82	60
135°	47	43	47	47	51	35
145°	27	23	23	23	27	17
155°	12	12	4	8	12	6
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°	2237.8	2237.8	2237.8	2237.8	2237.8
2.5°	2237.8	2233.9	2233.9	2233.9	2237.8
5°	2226.1	2226.1	2230.0	2230.0	2233.9
7.5°	2214.4	2214.4	2222.2	2226.1	2230.0
10°	2194.8	2198.7	2210.5	2218.3	2226.1
12.5°	2171.4	2175.3	2194.8	2210.5	2218.3
15°	2140.2	2148.0	2175.3	2190.9	2202.6
17.5°	2105.0	2116.7	2148.0	2171.4	2183.1
20°	2062.1	2077.7	2116.7	2148.0	2163.6
22.5°	2015.2	2030.8	2077.7	2116.7	2136.3
25°	1960.5	1983.9	2034.7	2081.6	2101.1
27.5°	1901.9	1929.3	1987.8	2042.5	2062.1
30°	1839.4	1870.7	1937.1	1995.7	2019.1
32.5°	1780.9	1812.1	1886.3	1948.8	1972.2
35°	1710.6	1749.6	1827.7	1898.0	1925.4
37.5°	1644.2	1683.2	1765.2	1839.4	1866.8
40°	1573.9	1612.9	1698.8	1780.9	1808.2
42.5°	1507.5	1546.5	1632.5	1718.4	1749.6
45°	1433.3	1476.2	1562.2	1648.1	1683.2
47.5°	1359.1	1402.0	1491.9	1581.7	1616.8
50°	1284.9	1331.7	1417.7	1507.5	1546.5
52.5°	1210.7	1257.5	1343.5	1437.2	1476.2
55°	1136.5	1187.2	1265.3	1359.1	1405.9
57.5°	1062.3	1113.0	1191.1	1288.8	1335.6
60°	976.3	1034.9	1113.0	1214.6	1269.3
62.5°	902.1	952.9	1031.0	1136.5	1202.9
65°	827.9	874.8	945.1	1062.3	1136.5
67.5°	749.8	800.6	867.0	976.3	1077.9
70°	675.6	718.6	785.0	898.2	1011.5
72.5°	597.5	640.5	703.0	820.1	945.1
75°	519.4	562.4	617.1	738.1	882.6
77.5°	449.1	484.3	535.0	652.2	808.4
80°	371.0	406.2	453.0	558.5	710.8
82.5°	300.7	332.0	371.0	464.7	585.8
85°	238.2	269.5	300.7	374.9	456.9
87.5°	191.4	214.8	246.0	300.7	355.4
90°	152.3	179.6	207.0	246.0	281.2
92.5°	140.6	164.0	187.5	218.7	242.1
95°	132.8	152.3	175.7	199.2	214.8
97.5°	125.0	144.5	164.0	187.5	199.2
100°	121.1	136.7	156.2	175.7	183.6
102.5°	117.2	128.9	148.4	164.0	175.7
105°	113.3	125.0	140.6	156.2	164.0
107.5°	105.4	117.2	132.8	148.4	156.2
110°	101.5	109.4	125.0	136.7	148.4



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	97.6	105.4	117.2	128.9	136.7
115°	89.8	97.6	109.4	117.2	125.0
117.5°	85.9	89.8	101.5	105.4	113.3
120°	78.1	82.0	93.7	97.6	101.5
122.5°	70.3	74.2	85.9	85.9	93.7
125°	66.4	66.4	78.1	78.1	82.0
127.5°	62.5	62.5	70.3	70.3	74.2
130°	54.7	54.7	62.5	62.5	62.5
132.5°	50.8	46.9	54.7	54.7	58.6
135°	46.9	43.0	46.9	46.9	50.8
137.5°	39.1	39.1	43.0	39.1	43.0
140°	35.1	31.2	35.1	35.1	39.1
142.5°	31.2	27.3	31.2	27.3	31.2
145°	27.3	23.4	23.4	23.4	27.3
147.5°	23.4	19.5	19.5	19.5	23.4
150°	19.5	15.6	15.6	15.6	19.5
152.5°	15.6	11.7	7.8	11.7	15.6
155°	11.7	11.7	3.9	7.8	11.7
157.5°	7.8	7.8	0.0	3.9	7.8
160°	3.9	3.9	0.0	3.9	3.9
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)