

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: P384271

Luminaire Tested: **14ID-80-L835-CFD2**

Issue Date: 2/25/2020

Test Information

Test Method: LM-79-08
Report Number: P384271
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: 14ID-80-L835-CFD2
Description: 1X4 IN DEPTH TROFFER WITH 2INCH DROP CUBE LENS

Light Source: -
Ballast/Driver: -

Summary

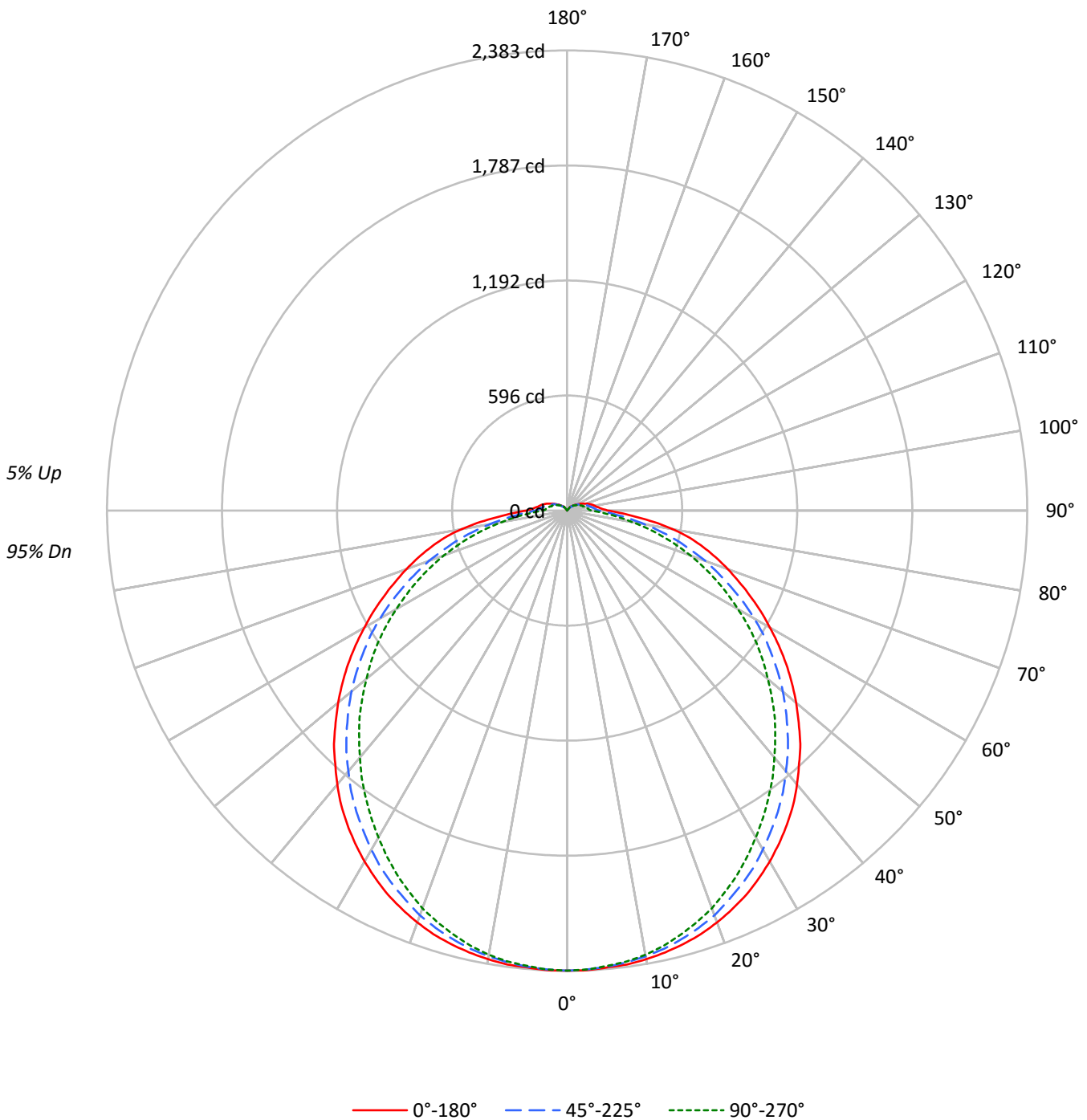
Lumens per Lamp: N/A
Luminaire Lumens: 7727.9 lumens
Efficiency: N/A
Efficacy: 100.2 lumens/watt
Spacing Criteria (0/90/45): 1.31 / 1.22 / 1.38
Luminous Opening: Rectangular w/ Sides (W: 1' x L: 4' x H: 0.17')
CIE Type: Direct

Input Watts (W): 77.1
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	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°	6412	6412	6412
5°	6392	6323	6302
10°	6399	6242	6200
15°	6403	6156	6063
20°	6402	6062	5917
25°	6394	5937	5737
30°	6366	5807	5538
35°	6336	5667	5346
40°	6287	5511	5144
45°	6240	5355	4961
50°	6174	5194	4740
55°	6130	5003	4537
60°	6088	4799	4267
65°	6109	4529	3988
70°	6249	4259	3662
75°	6561	3898	3249
80°	6989	3424	2734
85°	7341	2961	2238



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	225.5	2.9
10°-20°	648.4	8.4
20°-30°	984.9	12.7
30°-40°	1189.7	15.4
40°-50°	1245.1	16.1
50°-60°	1155.4	15.0
60°-70°	935.8	12.1
70°-80°	631.5	8.2
80°-90°	305.2	3.9
90°-100°	153.5	2.0
100°-110°	111.6	1.4
110°-120°	74.6	1.0
120°-130°	43.2	0.6
130°-140°	21.8	0.3
140°-150°	1.7	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	1858.8	24.1
0°-40°	3048.5	39.4
0°-60°	5449.0	70.5
0°-90°	7321.5	94.7
90°-120°	339.7	4.4
90°-150°	406.4	5.3
90°-180°	406.0	5.3
0°-180°	7727.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2383	2383	2383	2383	2383	
5°	2375	2371	2371	2367	2367	226
15°	2324	2312	2297	2281	2273	657
25°	2195	2176	2137	2098	2082	1012
35°	1985	1958	1903	1844	1817	1242
45°	1708	1677	1614	1548	1521	1316
55°	1384	1353	1291	1228	1197	1237
65°	1045	1006	936	885	850	1037
75°	729	655	581	538	507	768
85°	351	304	257	234	211	332
90°	211	191	164	148	125	120
95°	168	156	140	125	109	132
105°	125	117	105	94	86	133
115°	86	78	78	66	66	85
125°	55	47	51	43	47	48
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°	2382.6	2382.6	2382.6	2382.6	2382.6
2.5°	2382.6	2378.7	2378.7	2378.7	2378.7
5°	2374.8	2370.9	2370.9	2367.0	2367.0
7.5°	2370.9	2363.1	2359.2	2355.3	2355.3
10°	2359.2	2351.4	2343.6	2335.8	2335.8
12.5°	2343.6	2335.8	2324.1	2308.5	2308.5
15°	2324.1	2312.4	2296.8	2281.2	2273.4
17.5°	2300.7	2289.0	2265.6	2242.2	2234.4
20°	2269.5	2253.9	2230.5	2199.3	2191.5
22.5°	2234.4	2218.8	2183.7	2152.6	2137.0
25°	2195.4	2175.9	2137.0	2098.0	2082.4
27.5°	2148.7	2129.2	2086.3	2039.5	2020.0
30°	2098.0	2074.6	2027.8	1977.1	1953.7
32.5°	2043.4	2016.1	1965.4	1910.8	1887.4
35°	1984.9	1957.6	1903.0	1844.5	1817.2
37.5°	1922.5	1895.2	1836.7	1774.3	1747.0
40°	1852.3	1825.0	1762.6	1700.2	1669.0
42.5°	1778.2	1754.8	1692.4	1626.1	1594.9
45°	1708.0	1676.8	1614.4	1548.1	1520.8
47.5°	1626.1	1602.7	1536.4	1470.1	1438.9
50°	1548.1	1520.8	1458.4	1392.1	1357.0
52.5°	1466.2	1442.8	1376.5	1310.2	1279.1
55°	1384.3	1353.1	1290.8	1228.4	1197.2
57.5°	1298.6	1271.3	1208.9	1150.4	1111.4
60°	1212.8	1185.5	1119.2	1064.6	1021.7
62.5°	1130.9	1099.7	1029.5	971.0	935.9
65°	1045.1	1006.1	935.9	885.2	850.1
67.5°	963.2	916.4	846.2	799.4	764.3
70°	885.2	830.6	760.4	713.6	678.5
72.5°	807.2	740.9	666.8	623.9	592.7
75°	729.2	655.1	581.0	538.1	506.9
77.5°	651.2	565.4	491.3	456.2	425.1
80°	557.6	475.7	405.6	374.4	343.2
82.5°	452.3	386.1	327.6	296.4	273.0
85°	351.0	304.2	257.4	234.0	210.6
87.5°	273.0	237.9	202.8	183.3	163.8
90°	210.6	191.1	163.8	148.2	124.8
92.5°	183.3	167.7	148.2	132.6	113.1
95°	167.7	156.0	140.4	124.8	109.2
97.5°	152.1	144.3	128.7	117.0	101.4
100°	144.3	132.6	120.9	109.2	97.5
102.5°	136.5	124.8	113.1	101.4	93.6
105°	124.8	117.0	105.3	93.6	85.8
107.5°	117.0	105.3	97.5	85.8	81.9
110°	105.3	97.5	89.7	81.9	78.0



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	93.6	89.7	81.9	74.1	70.2
115°	85.8	78.0	78.0	66.3	66.3
117.5°	78.0	70.2	70.2	62.4	62.4
120°	66.3	62.4	62.4	54.6	54.6
122.5°	58.5	54.6	54.6	50.7	50.7
125°	54.6	46.8	50.7	42.9	46.8
127.5°	46.8	42.9	42.9	39.0	42.9
130°	39.0	35.1	35.1	35.1	39.0
132.5°	35.1	31.2	31.2	31.2	35.1
135°	31.2	27.3	27.3	27.3	31.2
137.5°	27.3	23.4	19.5	23.4	27.3
140°	23.4	19.5	15.6	19.5	23.4
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)