

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: P384303

Luminaire Tested: **22ID-50-L835-CFD2**

Issue Date: 2/25/2020

Test Information

Test Method: LM-79-08
Report Number: P384303
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-50-L835-CFD2
Description: 2X2 IN DEPTH TROFFER WITH 2INCH DROP CUBE LENS

Light Source: -
Ballast/Driver: -

Summary

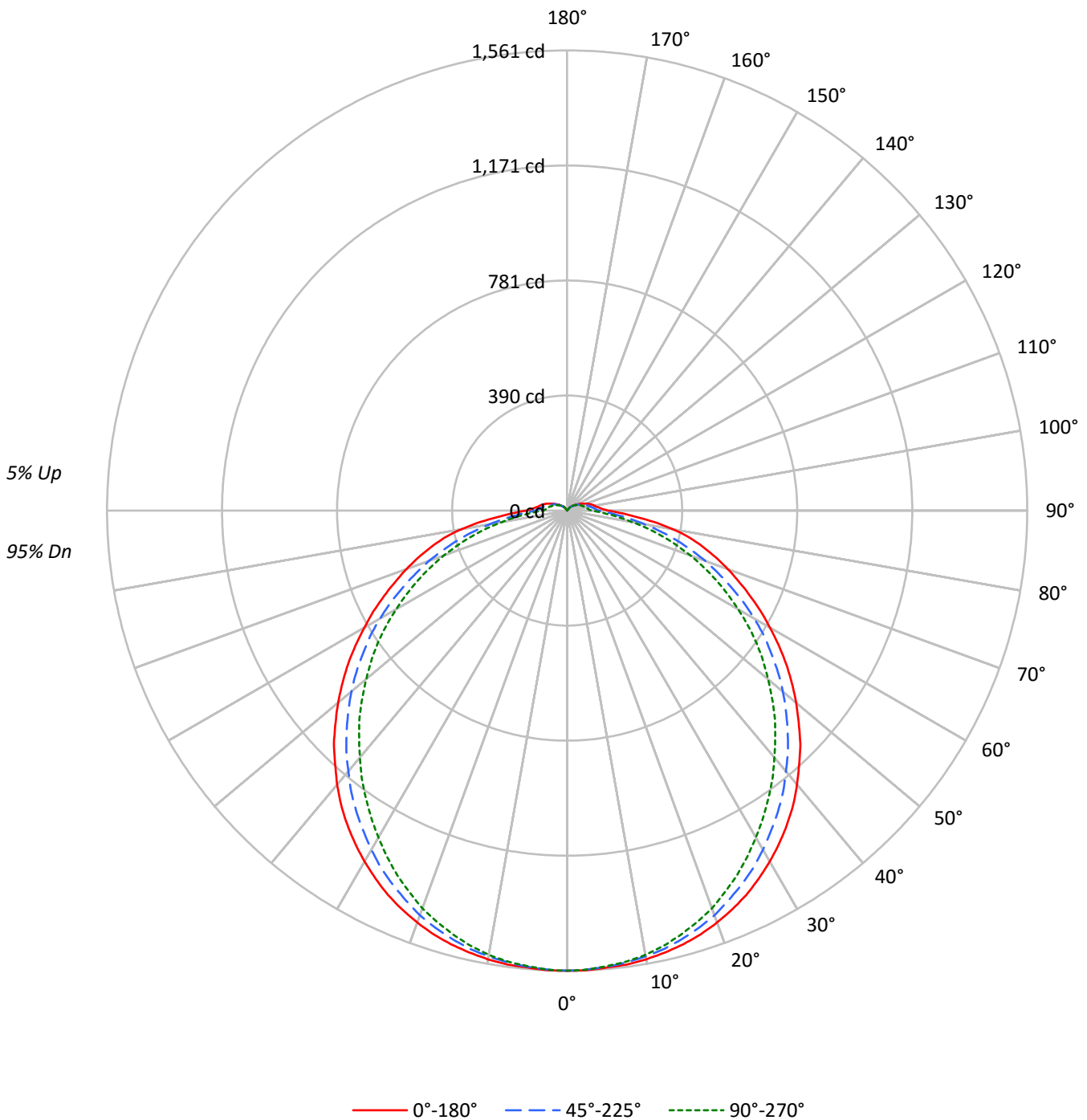
Lumens per Lamp: N/A
Luminaire Lumens: 5062.9 lumens
Efficiency: N/A
Efficacy: 123.2 lumens/watt
Spacing Criteria (0/90/45): 1.31 / 1.22 / 1.38
Luminous Opening: Rectangular w/ Sides (W: 2' x L: 2' x H: 0.17')
CIE Type: Direct

Input Watts (W): 41.1
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°	4201	4201	4201
5°	4172	4153	4159
10°	4162	4110	4121
15°	4149	4064	4059
20°	4133	4013	3991
25°	4111	3940	3899
30°	4075	3865	3795
35°	4036	3783	3695
40°	3984	3692	3590
45°	3931	3601	3500
50°	3863	3507	3386
55°	3803	3396	3288
60°	3737	3277	3148
65°	3699	3117	3008
70°	3713	2961	2846
75°	3788	2749	2634
80°	3844	2468	2366
85°	3635	2218	2182



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	147.7	2.9
10°-20°	424.8	8.4
20°-30°	645.3	12.7
30°-40°	779.4	15.4
40°-50°	815.8	16.1
50°-60°	757.0	15.0
60°-70°	613.1	12.1
70°-80°	413.8	8.2
80°-90°	199.9	3.9
90°-100°	100.6	2.0
100°-110°	73.1	1.4
110°-120°	48.9	1.0
120°-130°	28.3	0.6
130°-140°	14.3	0.3
140°-150°	1.1	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	1217.8	24.1
0°-40°	1997.2	39.4
0°-60°	3569.9	70.5
0°-90°	4796.7	94.7
90°-120°	222.5	4.4
90°-150°	266.2	5.3
90°-180°	266.0	5.3
0°-180°	5062.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1561	1561	1561	1561	1561	
5°	1556	1553	1553	1551	1551	148
15°	1523	1515	1505	1495	1490	430
25°	1438	1426	1400	1374	1364	663
35°	1300	1282	1247	1208	1190	814
45°	1119	1099	1058	1014	996	862
55°	907	886	846	805	784	811
65°	685	659	613	580	557	680
75°	478	429	381	353	332	503
85°	230	199	169	153	138	217
90°	138	125	107	97	82	79
95°	110	102	92	82	72	86
105°	82	77	69	61	56	87
115°	56	51	51	43	43	56
125°	36	31	33	28	31	31
135°	20	18	18	18	20	16
145°	0	0	0	0	0	1
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°	1561.0	1561.0	1561.0	1561.0	1561.0
2.5°	1561.0	1558.4	1558.4	1558.4	1558.4
5°	1555.9	1553.3	1553.3	1550.8	1550.8
7.5°	1553.3	1548.2	1545.7	1543.1	1543.1
10°	1545.7	1540.5	1535.4	1530.3	1530.3
12.5°	1535.4	1530.3	1522.7	1512.4	1512.4
15°	1522.7	1515.0	1504.8	1494.6	1489.5
17.5°	1507.3	1499.7	1484.3	1469.0	1463.9
20°	1486.9	1476.7	1461.3	1440.9	1435.8
22.5°	1463.9	1453.7	1430.7	1410.3	1400.0
25°	1438.4	1425.6	1400.0	1374.5	1364.3
27.5°	1407.7	1394.9	1366.8	1336.2	1323.4
30°	1374.5	1359.2	1328.5	1295.3	1280.0
32.5°	1338.7	1320.8	1287.6	1251.9	1236.5
35°	1300.4	1282.5	1246.7	1208.4	1190.5
37.5°	1259.5	1241.6	1203.3	1162.4	1144.6
40°	1213.5	1195.6	1154.8	1113.9	1093.5
42.5°	1165.0	1149.7	1108.8	1065.4	1044.9
45°	1119.0	1098.6	1057.7	1014.3	996.4
47.5°	1065.4	1050.0	1006.6	963.2	942.7
50°	1014.3	996.4	955.5	912.1	889.1
52.5°	960.6	945.3	901.8	858.4	838.0
55°	907.0	886.5	845.6	804.8	784.3
57.5°	850.8	832.9	792.0	753.7	728.1
60°	794.5	776.7	733.2	697.5	669.4
62.5°	740.9	720.5	674.5	636.1	613.2
65°	684.7	659.1	613.2	579.9	556.9
67.5°	631.0	600.4	554.4	523.7	500.7
70°	579.9	544.2	498.2	467.5	444.5
72.5°	528.8	485.4	436.9	408.8	388.3
75°	477.7	429.2	380.7	352.6	332.1
77.5°	426.7	370.4	321.9	298.9	278.5
80°	365.3	311.7	265.7	245.3	224.8
82.5°	296.4	252.9	214.6	194.2	178.8
85°	229.9	199.3	168.6	153.3	138.0
87.5°	178.8	155.8	132.8	120.1	107.3
90°	138.0	125.2	107.3	97.1	81.8
92.5°	120.1	109.9	97.1	86.9	74.1
95°	109.9	102.2	92.0	81.8	71.5
97.5°	99.6	94.5	84.3	76.6	66.4
100°	94.5	86.9	79.2	71.5	63.9
102.5°	89.4	81.8	74.1	66.4	61.3
105°	81.8	76.6	69.0	61.3	56.2
107.5°	76.6	69.0	63.9	56.2	53.7
110°	69.0	63.9	58.8	53.7	51.1



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	61.3	58.8	53.7	48.5	46.0
115°	56.2	51.1	51.1	43.4	43.4
117.5°	51.1	46.0	46.0	40.9	40.9
120°	43.4	40.9	40.9	35.8	35.8
122.5°	38.3	35.8	35.8	33.2	33.2
125°	35.8	30.7	33.2	28.1	30.7
127.5°	30.7	28.1	28.1	25.5	28.1
130°	25.5	23.0	23.0	23.0	25.5
132.5°	23.0	20.4	20.4	20.4	23.0
135°	20.4	17.9	17.9	17.9	20.4
137.5°	17.9	15.3	12.8	15.3	17.9
140°	15.3	12.8	10.2	12.8	15.3
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)