

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: P384111

Luminaire Tested: **22ID-20-L835-CFD1**

Issue Date: 2/25/2020

Test Information

Test Method: LM-79-08
Report Number: P384111
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-20-L835-CFD1
Description: 2X2 IN DEPTH TROFFER WITH 1INCH DROP CUBE LENS

Light Source: -
Ballast/Driver: -

Summary

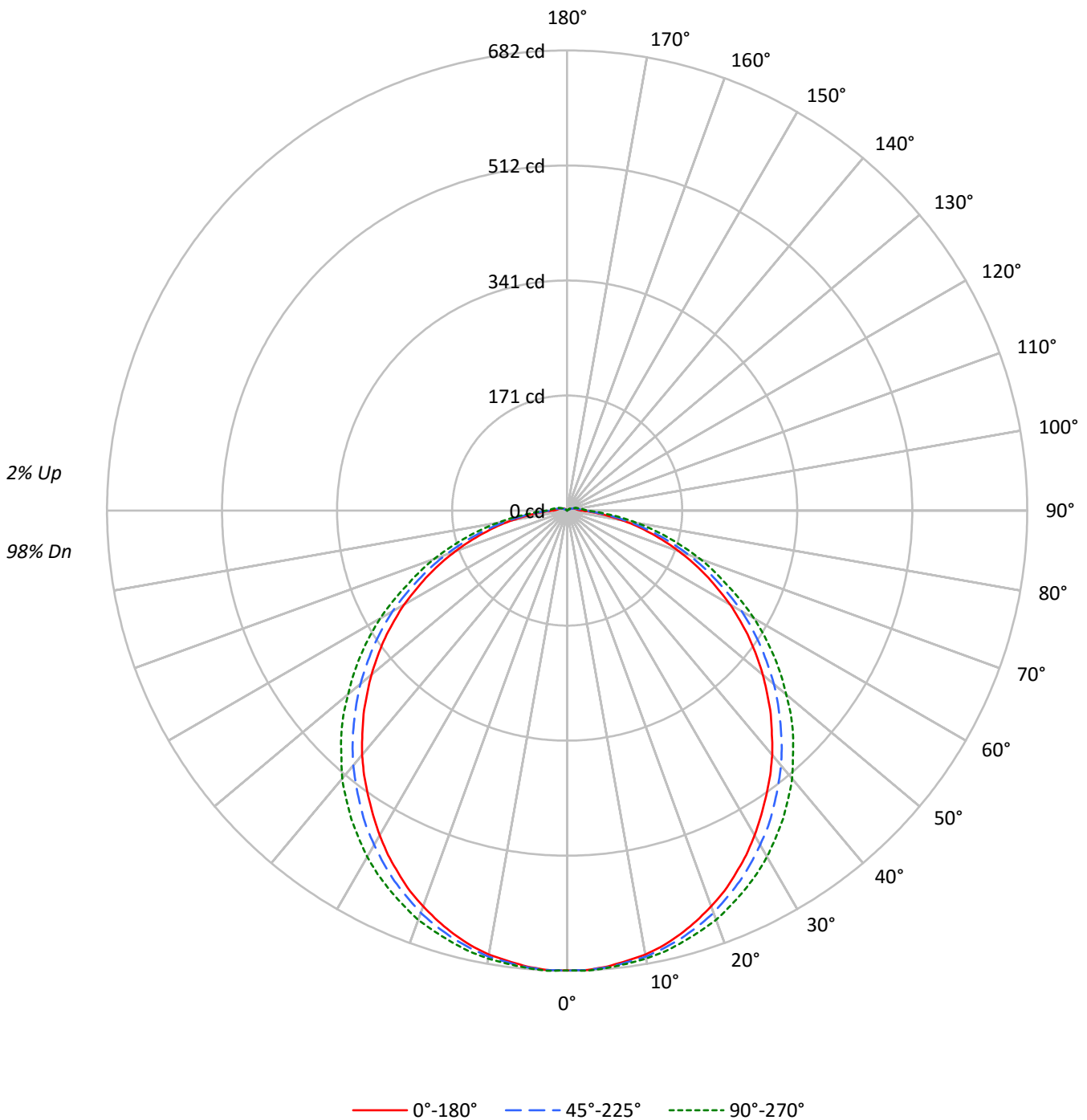
Lumens per Lamp: N/A
Luminaire Lumens: 2018.4 lumens
Efficiency: N/A
Efficacy: 123.8 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.29 / 1.37
Luminous Opening: Rectangular w/ Sides (W: 2' x L: 2' x H: 0.08')
CIE Type: Direct

Input Watts (W): 16.3
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	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°	1834	1834	1834
5°	1826	1826	1832
10°	1813	1815	1829
15°	1790	1799	1824
20°	1761	1779	1821
25°	1726	1751	1809
30°	1686	1719	1798
35°	1643	1685	1780
40°	1605	1651	1761
45°	1559	1607	1731
50°	1510	1565	1690
55°	1459	1515	1654
60°	1403	1459	1608
65°	1328	1377	1531
70°	1243	1296	1481
75°	1142	1186	1399
80°	1027	1058	1309
85°	920	945	1242



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	64.5	3.2
10°-20°	185.0	9.2
20°-30°	279.3	13.8
30°-40°	334.7	16.6
40°-50°	346.0	17.1
50°-60°	313.4	15.5
60°-70°	242.5	12.0
70°-80°	149.0	7.4
80°-90°	59.2	2.9
90°-100°	21.6	1.1
100°-110°	13.3	0.7
110°-120°	6.8	0.3
120°-130°	2.9	0.1
130°-140°	0.2	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°	528.9	26.2
0°-40°	863.6	42.8
0°-60°	1523.0	75.5
0°-90°	1973.6	97.8
90°-120°	41.7	2.1
90°-150°	44.8	2.2
90°-180°	45.0	2.2
0°-180°	2018.4	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	682	682	682	682	682	
5°	678	678	680	680	680	64
15°	650	651	656	660	662	183
25°	592	597	606	616	621	273
35°	515	521	534	548	558	322
45°	427	432	447	466	474	329
55°	330	337	350	365	374	294
65°	227	232	244	256	262	225
75°	127	133	139	148	156	135
85°	44	47	51	56	59	44
90°	20	24	26	29	31	12
95°	15	17	19	22	24	12
105°	11	11	12	13	14	12
115°	7	6	6	7	8	7
125°	4	3	2	3	4	4
135°	0	0	0	0	0	0
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°	681.5	681.5	681.5	681.5	681.5
2.5°	681.5	680.5	681.5	681.5	682.5
5°	678.4	678.4	679.5	679.5	680.5
7.5°	673.3	673.3	675.4	676.4	677.4
10°	668.2	668.2	671.3	672.3	674.3
12.5°	660.0	661.0	664.1	667.2	669.2
15°	649.8	650.8	655.9	660.0	662.1
17.5°	637.5	639.6	645.7	651.8	653.9
20°	624.2	627.3	634.4	641.6	645.7
22.5°	609.9	611.9	620.1	629.3	633.4
25°	592.5	596.6	605.8	616.0	621.1
27.5°	575.1	579.2	589.4	601.7	607.8
30°	555.6	559.7	572.0	585.3	592.5
32.5°	535.2	540.3	554.6	567.9	575.1
35°	514.7	520.8	534.2	548.5	557.7
37.5°	494.2	499.4	513.7	529.0	538.2
40°	472.8	477.9	493.2	508.6	518.8
42.5°	449.2	455.4	470.7	487.1	495.3
45°	426.7	431.8	447.2	465.6	473.8
47.5°	402.1	409.3	423.6	441.0	450.2
50°	378.6	384.8	400.1	416.5	423.6
52.5°	354.1	360.2	374.5	390.9	399.1
55°	329.5	336.7	350.0	365.3	373.5
57.5°	303.9	311.1	324.4	337.7	346.9
60°	279.4	286.5	298.8	312.1	320.3
62.5°	251.7	257.9	271.2	285.5	291.6
65°	227.2	232.3	243.5	255.8	262.0
67.5°	201.6	207.7	218.0	229.2	236.4
70°	176.0	183.2	191.4	201.6	209.8
72.5°	151.4	157.6	164.7	175.0	182.1
75°	126.9	133.0	139.2	148.4	155.5
77.5°	105.4	108.5	114.6	122.8	130.0
80°	81.9	86.0	91.1	99.3	104.4
82.5°	61.4	65.5	69.6	75.7	80.8
85°	44.0	47.1	51.2	56.3	59.4
87.5°	29.7	32.7	35.8	39.9	43.0
90°	20.5	23.5	25.6	28.7	30.7
92.5°	17.4	19.4	21.5	23.5	25.6
95°	15.3	17.4	19.4	21.5	23.5
97.5°	14.3	15.3	17.4	19.4	20.5
100°	13.3	14.3	15.3	17.4	18.4
102.5°	12.3	12.3	14.3	15.3	16.4
105°	11.3	11.3	12.3	13.3	14.3
107.5°	10.2	10.2	11.3	11.3	13.3
110°	9.2	8.2	9.2	9.2	11.3



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	8.2	7.2	8.2	8.2	9.2
115°	7.2	6.1	6.1	7.2	8.2
117.5°	6.1	5.1	5.1	5.1	7.2
120°	6.1	5.1	4.1	4.1	6.1
122.5°	5.1	4.1	3.1	4.1	5.1
125°	4.1	3.1	2.0	3.1	4.1
127.5°	3.1	3.1	1.0	2.0	3.1
130°	3.1	2.0	1.0	2.0	2.0
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)