

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: P384281

Luminaire Tested: **22ID-20-L850-CFD2**

Issue Date: 2/25/2020

Test Information

Test Method: LM-79-08
Report Number: P384281
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-20-L850-CFD2
Description: 2X2 IN DEPTH TROFFER WITH 2INCH DROP CUBE LENS

Light Source: -
Ballast/Driver: -

Summary

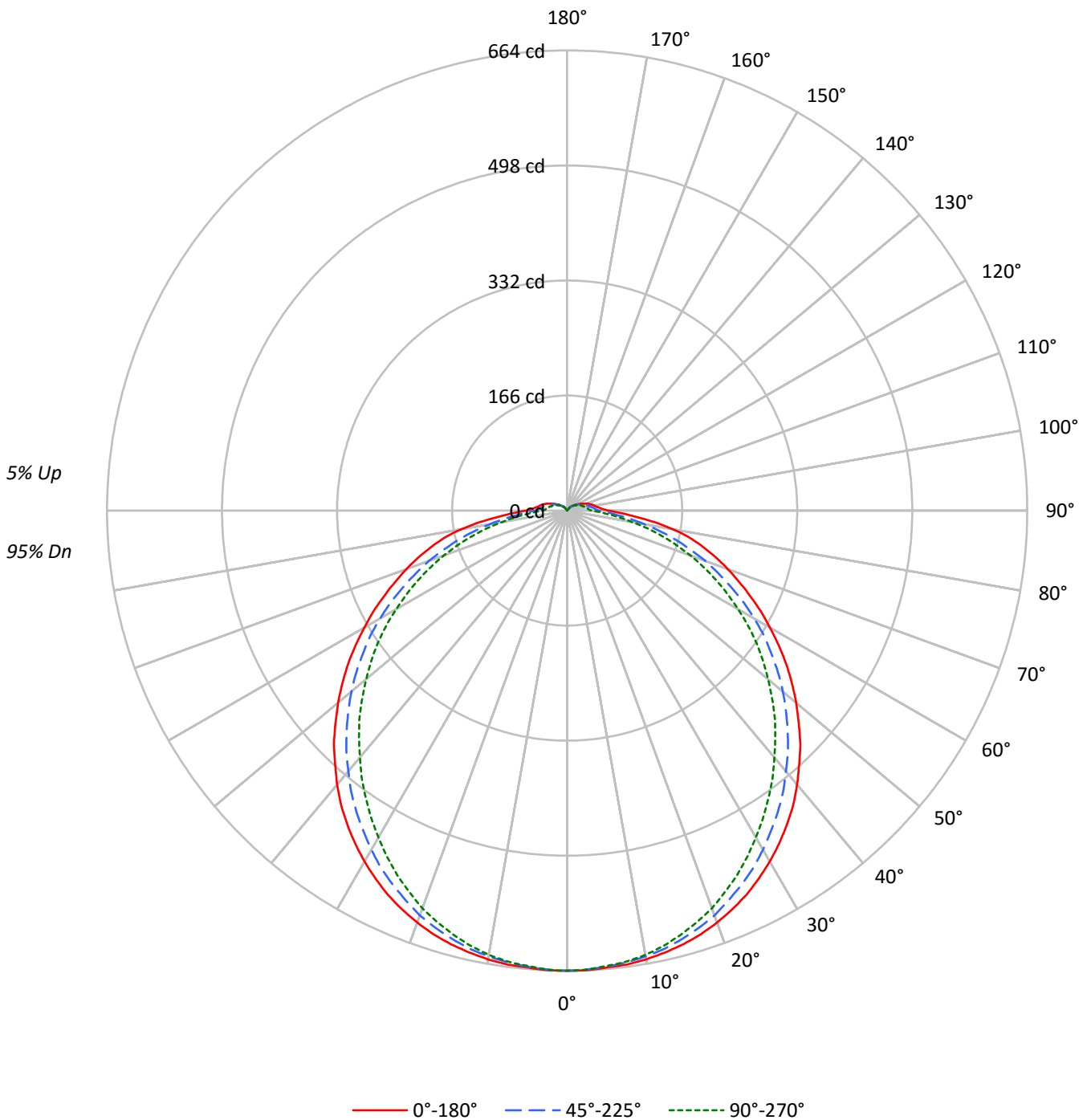
Lumens per Lamp: N/A
Luminaire Lumens: 2153.6 lumens
Efficiency: N/A
Efficacy: 132.1 lumens/watt
Spacing Criteria (0/90/45): 1.31 / 1.22 / 1.38
Luminous Opening: Rectangular w/ Sides (W: 2' x L: 2' x H: 0.17')
CIE Type: Direct

Input Watts (W): 16.3
Input Voltage (V): NR
Input Current (Ain): 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°	1787	1787	1787
5°	1775	1767	1769
10°	1771	1748	1753
15°	1765	1729	1727
20°	1758	1707	1697
25°	1749	1676	1659
30°	1733	1644	1614
35°	1717	1609	1572
40°	1695	1570	1527
45°	1672	1532	1489
50°	1643	1492	1440
55°	1618	1444	1399
60°	1590	1394	1339
65°	1573	1326	1280
70°	1579	1259	1211
75°	1612	1169	1121
80°	1635	1050	1006
85°	1547	943	928



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	62.8	2.9
10°-20°	180.7	8.4
20°-30°	274.5	12.7
30°-40°	331.5	15.4
40°-50°	347.0	16.1
50°-60°	322.0	15.0
60°-70°	260.8	12.1
70°-80°	176.0	8.2
80°-90°	85.0	3.9
90°-100°	42.8	2.0
100°-110°	31.1	1.4
110°-120°	20.8	1.0
120°-130°	12.0	0.6
130°-140°	6.1	0.3
140°-150°	0.5	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	518.0	24.1
0°-40°	849.6	39.4
0°-60°	1518.5	70.5
0°-90°	2040.4	94.7
90°-120°	94.6	4.4
90°-150°	113.2	5.3
90°-180°	113.0	5.2
0°-180°	2153.6	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	664	664	664	664	664	
5°	662	661	661	660	660	63
15°	648	644	640	636	634	183
25°	612	606	596	585	580	282
35°	553	546	530	514	506	346
45°	476	467	450	431	424	367
55°	386	377	360	342	334	345
65°	291	280	261	247	237	289
75°	203	183	162	150	141	214
85°	98	85	72	65	59	92
90°	59	53	46	41	35	34
95°	47	44	39	35	30	37
105°	35	33	29	26	24	37
115°	24	22	22	18	18	24
125°	15	13	14	12	13	13
135°	9	8	8	8	9	7
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°	664.0	664.0	664.0	664.0	664.0
2.5°	664.0	662.9	662.9	662.9	662.9
5°	661.8	660.7	660.7	659.6	659.6
7.5°	660.7	658.6	657.5	656.4	656.4
10°	657.5	655.3	653.1	651.0	651.0
12.5°	653.1	651.0	647.7	643.3	643.3
15°	647.7	644.4	640.1	635.7	633.6
17.5°	641.2	637.9	631.4	624.9	622.7
20°	632.5	628.1	621.6	612.9	610.7
22.5°	622.7	618.4	608.6	599.9	595.5
25°	611.8	606.4	595.5	584.7	580.3
27.5°	598.8	593.4	581.4	568.4	562.9
30°	584.7	578.1	565.1	551.0	544.5
32.5°	569.4	561.8	547.7	532.5	526.0
35°	553.1	545.5	530.3	514.0	506.4
37.5°	535.8	528.2	511.9	494.5	486.9
40°	516.2	508.6	491.2	473.8	465.1
42.5°	495.6	489.0	471.6	453.2	444.5
45°	476.0	467.3	449.9	431.4	423.8
47.5°	453.2	446.6	428.2	409.7	401.0
50°	431.4	423.8	406.4	388.0	378.2
52.5°	408.6	402.1	383.6	365.1	356.4
55°	385.8	377.1	359.7	342.3	333.6
57.5°	361.9	354.3	336.9	320.6	309.7
60°	338.0	330.4	311.9	296.7	284.7
62.5°	315.2	306.5	286.9	270.6	260.8
65°	291.2	280.4	260.8	246.7	236.9
67.5°	268.4	255.4	235.8	222.8	213.0
70°	246.7	231.5	211.9	198.9	189.1
72.5°	225.0	206.5	185.8	173.9	165.2
75°	203.2	182.6	161.9	150.0	141.3
77.5°	181.5	157.6	136.9	127.1	118.5
80°	155.4	132.6	113.0	104.3	95.6
82.5°	126.1	107.6	91.3	82.6	76.1
85°	97.8	84.8	71.7	65.2	58.7
87.5°	76.1	66.3	56.5	51.1	45.6
90°	58.7	53.3	45.6	41.3	34.8
92.5°	51.1	46.7	41.3	36.9	31.5
95°	46.7	43.5	39.1	34.8	30.4
97.5°	42.4	40.2	35.9	32.6	28.3
100°	40.2	36.9	33.7	30.4	27.2
102.5°	38.0	34.8	31.5	28.3	26.1
105°	34.8	32.6	29.3	26.1	23.9
107.5°	32.6	29.3	27.2	23.9	22.8
110°	29.3	27.2	25.0	22.8	21.7



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	26.1	25.0	22.8	20.6	19.6
115°	23.9	21.7	21.7	18.5	18.5
117.5°	21.7	19.6	19.6	17.4	17.4
120°	18.5	17.4	17.4	15.2	15.2
122.5°	16.3	15.2	15.2	14.1	14.1
125°	15.2	13.0	14.1	12.0	13.0
127.5°	13.0	12.0	12.0	10.9	12.0
130°	10.9	9.8	9.8	9.8	10.9
132.5°	9.8	8.7	8.7	8.7	9.8
135°	8.7	7.6	7.6	7.6	8.7
137.5°	7.6	6.5	5.4	6.5	7.6
140°	6.5	5.4	4.3	5.4	6.5
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)