

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: P384280

Luminaire Tested: **22ID-20-L840-CFD2**

Issue Date: 2/25/2020

Test Information

Test Method: LM-79-08
Report Number: P384280
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-L840-CFD2
Description: 2X2 IN DEPTH TROFFER WITH 2INCH DROP CUBE LENS

Light Source: -
Ballast/Driver: -

Summary

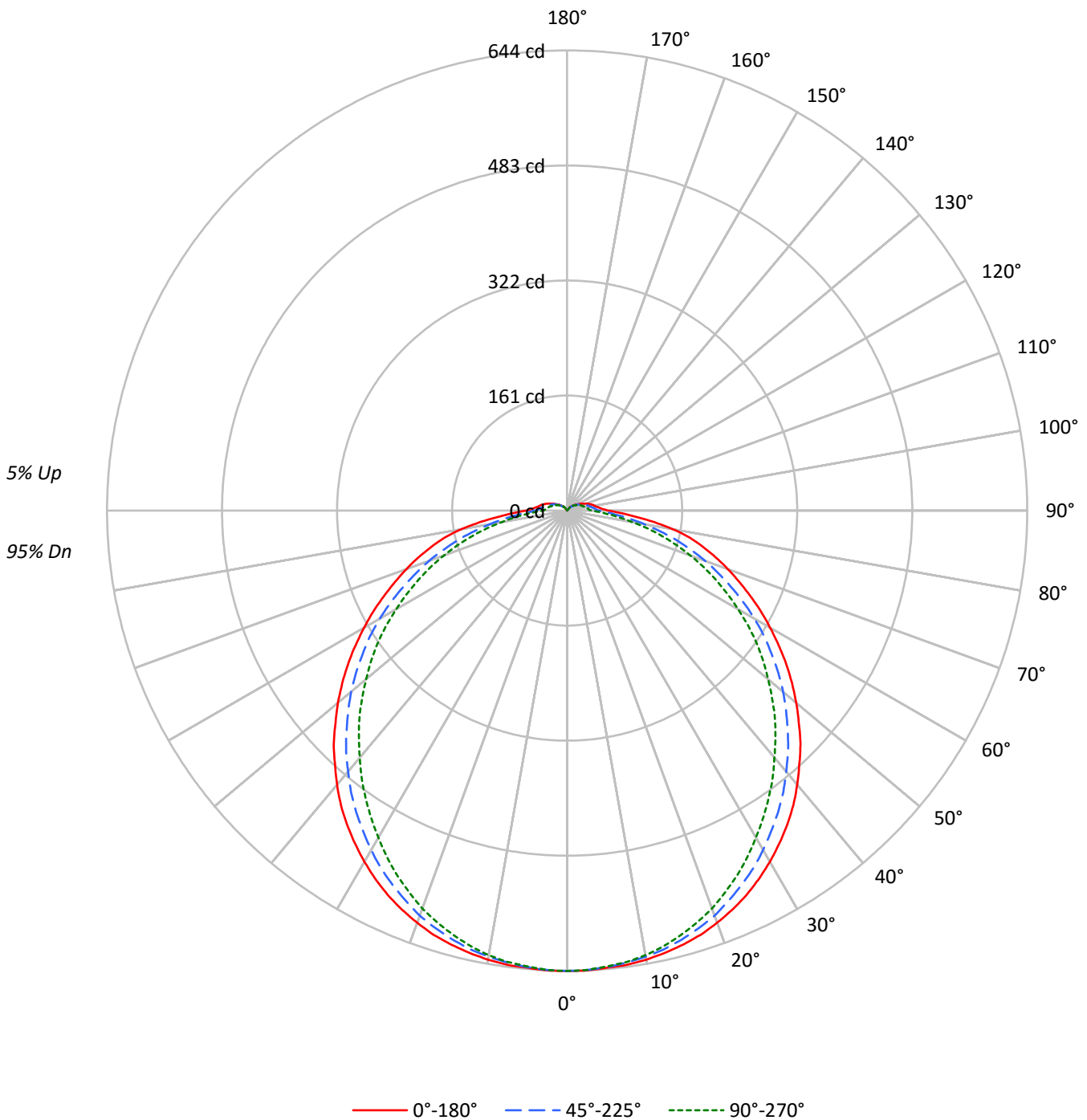
Lumens per Lamp: N/A
Luminaire Lumens: 2090.2 lumens
Efficiency: N/A
Efficacy: 128.2 lumens/watt
Spacing Criteria (0/90/45): 1.31 / 1.22 / 1.38
Luminous Opening: Rectangular w/ Sides (W: 2' x L: 2' x H: 0.17')
CIE Type: Direct

Input Watts (W): 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°	1734	1734	1734
5°	1722	1715	1717
10°	1718	1697	1701
15°	1713	1678	1676
20°	1706	1657	1648
25°	1697	1627	1610
30°	1682	1596	1567
35°	1667	1562	1526
40°	1645	1524	1482
45°	1623	1487	1445
50°	1594	1448	1398
55°	1570	1402	1358
60°	1543	1353	1299
65°	1527	1286	1242
70°	1533	1223	1175
75°	1564	1135	1087
80°	1587	1019	977
85°	1501	916	901



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	61.0	2.9
10°-20°	175.4	8.4
20°-30°	266.4	12.7
30°-40°	321.8	15.4
40°-50°	336.8	16.1
50°-60°	312.5	15.0
60°-70°	253.1	12.1
70°-80°	170.8	8.2
80°-90°	82.5	3.9
90°-100°	41.5	2.0
100°-110°	30.2	1.4
110°-120°	20.2	1.0
120°-130°	11.7	0.6
130°-140°	5.9	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°	502.8	24.1
0°-40°	824.5	39.4
0°-60°	1473.8	70.5
0°-90°	1980.3	94.7
90°-120°	91.9	4.4
90°-150°	109.9	5.3
90°-180°	110.0	5.3
0°-180°	2090.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	644	644	644	644	644	
5°	642	641	641	640	640	61
15°	629	626	621	617	615	178
25°	594	588	578	568	563	274
35°	537	530	515	499	492	336
45°	462	454	437	419	411	356
55°	374	366	349	332	324	335
65°	283	272	253	239	230	281
75°	197	177	157	146	137	208
85°	95	82	70	63	57	90
90°	57	52	44	40	34	33
95°	45	42	38	34	30	36
105°	34	32	28	25	23	36
115°	23	21	21	18	18	23
125°	15	13	14	12	13	13
135°	8	7	7	7	8	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°	644.4	644.4	644.4	644.4	644.4
2.5°	644.4	643.4	643.4	643.4	643.4
5°	642.3	641.3	641.3	640.2	640.2
7.5°	641.3	639.2	638.1	637.1	637.1
10°	638.1	636.0	633.9	631.8	631.8
12.5°	633.9	631.8	628.6	624.4	624.4
15°	628.6	625.5	621.2	617.0	614.9
17.5°	622.3	619.1	612.8	606.5	604.4
20°	613.9	609.6	603.3	594.9	592.8
22.5°	604.4	600.1	590.7	582.2	578.0
25°	593.8	588.5	578.0	567.5	563.2
27.5°	581.2	575.9	564.3	551.6	546.4
30°	567.5	561.1	548.5	534.8	528.4
32.5°	552.7	545.3	531.6	516.8	510.5
35°	536.9	529.5	514.7	498.9	491.5
37.5°	520.0	512.6	496.8	479.9	472.5
40°	501.0	493.6	476.7	459.9	451.4
42.5°	481.0	474.6	457.8	439.8	431.4
45°	462.0	453.5	436.7	418.7	411.3
47.5°	439.8	433.5	415.6	397.6	389.2
50°	418.7	411.3	394.5	376.5	367.1
52.5°	396.6	390.3	372.3	354.4	346.0
55°	374.4	366.0	349.1	332.2	323.8
57.5°	351.2	343.8	327.0	311.1	300.6
60°	328.0	320.6	302.7	287.9	276.3
62.5°	305.9	297.4	278.5	262.6	253.1
65°	282.7	272.1	253.1	239.4	229.9
67.5°	260.5	247.9	228.9	216.2	206.7
70°	239.4	224.7	205.7	193.0	183.5
72.5°	218.3	200.4	180.4	168.8	160.3
75°	197.2	177.2	157.2	145.6	137.1
77.5°	176.1	152.9	132.9	123.4	115.0
80°	150.8	128.7	109.7	101.3	92.8
82.5°	122.4	104.4	88.6	80.2	73.8
85°	94.9	82.3	69.6	63.3	57.0
87.5°	73.8	64.3	54.8	49.6	44.3
90°	57.0	51.7	44.3	40.1	33.8
92.5°	49.6	45.4	40.1	35.9	30.6
95°	45.4	42.2	38.0	33.8	29.5
97.5°	41.1	39.0	34.8	31.6	27.4
100°	39.0	35.9	32.7	29.5	26.4
102.5°	36.9	33.8	30.6	27.4	25.3
105°	33.8	31.6	28.5	25.3	23.2
107.5°	31.6	28.5	26.4	23.2	22.1
110°	28.5	26.4	24.3	22.1	21.1



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	25.3	24.3	22.1	20.0	19.0
115°	23.2	21.1	21.1	17.9	17.9
117.5°	21.1	19.0	19.0	16.9	16.9
120°	17.9	16.9	16.9	14.8	14.8
122.5°	15.8	14.8	14.8	13.7	13.7
125°	14.8	12.7	13.7	11.6	12.7
127.5°	12.7	11.6	11.6	10.5	11.6
130°	10.5	9.5	9.5	9.5	10.5
132.5°	9.5	8.4	8.4	8.4	9.5
135°	8.4	7.4	7.4	7.4	8.4
137.5°	7.4	6.3	5.3	6.3	7.4
140°	6.3	5.3	4.2	5.3	6.3
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)