

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: P384616

Luminaire Tested: **22ID-20-L840-CFD3**

Issue Date: 2/25/2020

Test Information

Test Method: LM-79-08
Report Number: P384616
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1911-572-69)
Test Lab: INNOVATION CENTER (G2)
Issue Date: 2/25/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 22ID-20-L840-CFD3
Description: 2X2 IN DEPTH TROFFER WITH 3INCH DROP CUBE LENS

Light Source: -
Ballast/Driver: -

Summary

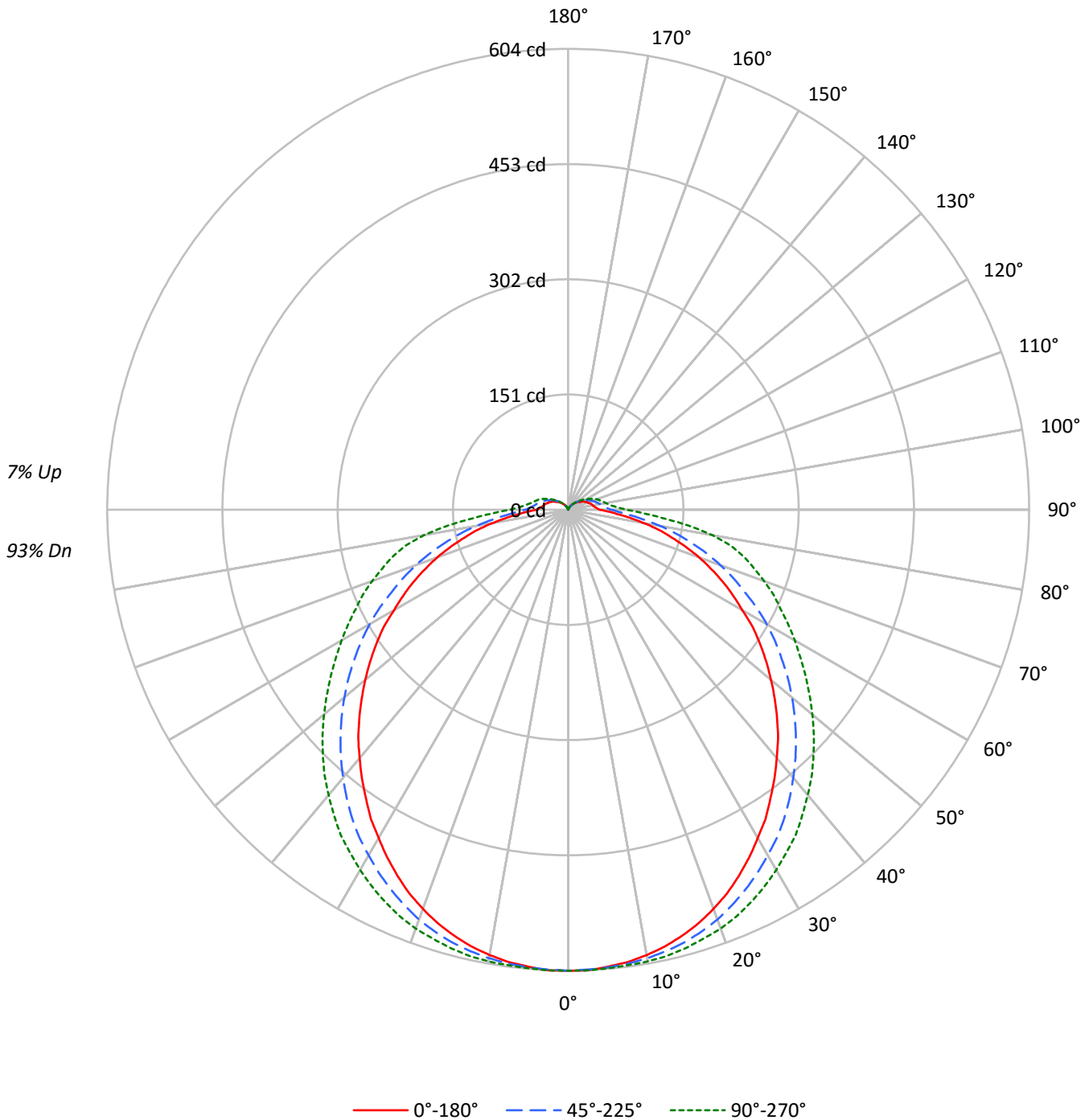
Lumens per Lamp: N/A
Luminaire Lumens: 2114.5 lumens
Efficiency: N/A
Efficacy: 129.7 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.34 / 1.41
Luminous Opening: Rectangular w/ Sides (W: 2' x L: 2' x H: 0.25')
CIE Type: Direct

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	117	117	117	117	114	114	114	114	107	107	107	101	101	101	95	95	95	93
1	105	100	95	91	102	97	93	89	91	88	84	86	83	80	81	79	77	74
2	95	86	79	73	92	84	77	71	79	73	68	74	70	66	70	67	63	60
3	86	75	66	60	83	73	65	59	69	62	57	65	59	55	62	57	53	50
4	79	66	57	50	76	64	56	49	61	54	48	58	51	46	55	49	45	42
5	72	59	50	43	70	57	49	42	54	47	41	52	45	40	49	43	39	36
6	67	53	44	37	64	52	43	37	49	41	36	47	40	35	44	39	34	32
7	62	48	39	33	60	47	38	32	44	37	31	42	36	31	40	35	30	28
8	57	44	35	29	55	43	34	29	41	33	28	39	32	27	37	31	27	25
9	54	40	32	26	52	39	31	26	37	30	25	36	29	25	34	28	24	22
10	50	37	29	23	49	36	28	23	35	28	23	33	27	22	32	26	22	20

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1626	1626	1626
5°	1606	1602	1612
10°	1584	1582	1607
15°	1558	1562	1603
20°	1525	1538	1600
25°	1485	1507	1592
30°	1439	1475	1580
35°	1395	1443	1570
40°	1351	1403	1552
45°	1309	1364	1537
50°	1264	1324	1522
55°	1222	1280	1511
60°	1166	1238	1516
65°	1123	1178	1541
70°	1068	1123	1599
75°	995	1044	1689
80°	909	946	1740
85°	817	830	1569



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	57.3	2.7
10°-20°	165.6	7.8
20°-30°	253.0	12.0
30°-40°	307.9	14.6
40°-50°	325.5	15.4
50°-60°	307.2	14.5
60°-70°	258.5	12.2
70°-80°	186.3	8.8
80°-90°	98.3	4.6
90°-100°	52.6	2.5
100°-110°	40.0	1.9
110°-120°	29.0	1.4
120°-130°	18.2	0.9
130°-140°	9.8	0.5
140°-150°	4.3	0.2
150°-160°	1.2	0.1
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	475.8	22.5
0°-40°	783.7	37.1
0°-60°	1416.4	67.0
0°-90°	1959.5	92.7
90°-120°	121.5	5.7
90°-150°	153.9	7.3
90°-180°	155.0	7.3
0°-180°	2114.5	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	604	604	604	604	604	
5°	601	601	602	602	603	57
15°	578	580	587	592	595	163
25°	529	536	549	562	567	244
35°	462	472	494	512	520	289
45°	387	399	422	445	454	299
55°	307	321	342	367	380	274
65°	224	236	255	287	307	221
75°	140	152	167	199	238	149
85°	64	73	81	101	123	60
90°	41	48	56	66	76	24
95°	36	41	48	54	58	29
105°	31	34	38	42	44	32
115°	24	26	30	32	34	24
125°	18	18	21	21	22	16
135°	13	12	13	13	14	10
145°	7	6	6	6	7	5
155°	3	3	1	2	3	2
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°	604.2	604.2	604.2	604.2	604.2
2.5°	604.2	603.2	603.2	603.2	604.2
5°	601.1	601.1	602.1	602.1	603.2
7.5°	597.9	597.9	600.0	601.1	602.1
10°	592.6	593.7	596.9	599.0	601.1
12.5°	586.3	587.4	592.6	596.9	599.0
15°	577.9	580.0	587.4	591.6	594.8
17.5°	568.4	571.6	580.0	586.3	589.5
20°	556.8	561.0	571.6	580.0	584.2
22.5°	544.1	548.4	561.0	571.6	576.8
25°	529.4	535.7	549.4	562.1	567.3
27.5°	513.6	520.9	536.8	551.5	556.8
30°	496.7	505.1	523.0	538.9	545.2
32.5°	480.9	489.3	509.3	526.2	532.5
35°	461.9	472.4	493.5	512.5	519.9
37.5°	444.0	454.5	476.7	496.7	504.1
40°	425.0	435.5	458.7	480.9	488.3
42.5°	407.1	417.6	440.8	464.0	472.4
45°	387.0	398.6	421.8	445.0	454.5
47.5°	367.0	378.6	402.8	427.1	436.6
50°	346.9	359.6	382.8	407.1	417.6
52.5°	326.9	339.6	362.8	388.1	398.6
55°	306.9	320.6	341.7	367.0	379.6
57.5°	286.8	300.5	321.6	348.0	360.7
60°	263.6	279.5	300.5	328.0	342.7
62.5°	243.6	257.3	278.4	306.9	324.8
65°	223.6	236.2	255.2	286.8	306.9
67.5°	202.5	216.2	234.1	263.6	291.1
70°	182.4	194.0	212.0	242.5	273.1
72.5°	161.3	172.9	189.8	221.5	255.2
75°	140.3	151.9	166.6	199.3	238.3
77.5°	121.3	130.8	144.5	176.1	218.3
80°	100.2	109.7	122.3	150.8	191.9
82.5°	81.2	89.6	100.2	125.5	158.2
85°	64.3	72.8	81.2	101.2	123.4
87.5°	51.7	58.0	66.4	81.2	96.0
90°	41.1	48.5	55.9	66.4	75.9
92.5°	38.0	44.3	50.6	59.1	65.4
95°	35.9	41.1	47.5	53.8	58.0
97.5°	33.7	39.0	44.3	50.6	53.8
100°	32.7	36.9	42.2	47.5	49.6
102.5°	31.6	34.8	40.1	44.3	47.5
105°	30.6	33.7	38.0	42.2	44.3
107.5°	28.5	31.6	35.9	40.1	42.2
110°	27.4	29.5	33.7	36.9	40.1



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	26.4	28.5	31.6	34.8	36.9
115°	24.3	26.4	29.5	31.6	33.7
117.5°	23.2	24.3	27.4	28.5	30.6
120°	21.1	22.1	25.3	26.4	27.4
122.5°	19.0	20.0	23.2	23.2	25.3
125°	17.9	17.9	21.1	21.1	22.1
127.5°	16.9	16.9	19.0	19.0	20.0
130°	14.8	14.8	16.9	16.9	16.9
132.5°	13.7	12.7	14.8	14.8	15.8
135°	12.7	11.6	12.7	12.7	13.7
137.5°	10.5	10.5	11.6	10.5	11.6
140°	9.5	8.4	9.5	9.5	10.5
142.5°	8.4	7.4	8.4	7.4	8.4
145°	7.4	6.3	6.3	6.3	7.4
147.5°	6.3	5.3	5.3	5.3	6.3
150°	5.3	4.2	4.2	4.2	5.3
152.5°	4.2	3.2	2.1	3.2	4.2
155°	3.2	3.2	1.1	2.1	3.2
157.5°	2.1	2.1	0.0	1.1	2.1
160°	1.1	1.1	0.0	1.1	1.1
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)