

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: P384279

Luminaire Tested: **22ID-20-L835-CFD2**

Issue Date: 2/25/2020

Test Information

Test Method: LM-79-08
Report Number: P384279
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-L835-CFD2
Description: 2X2 IN DEPTH TROFFER WITH 2INCH DROP CUBE LENS

Light Source: -
Ballast/Driver: -

Summary

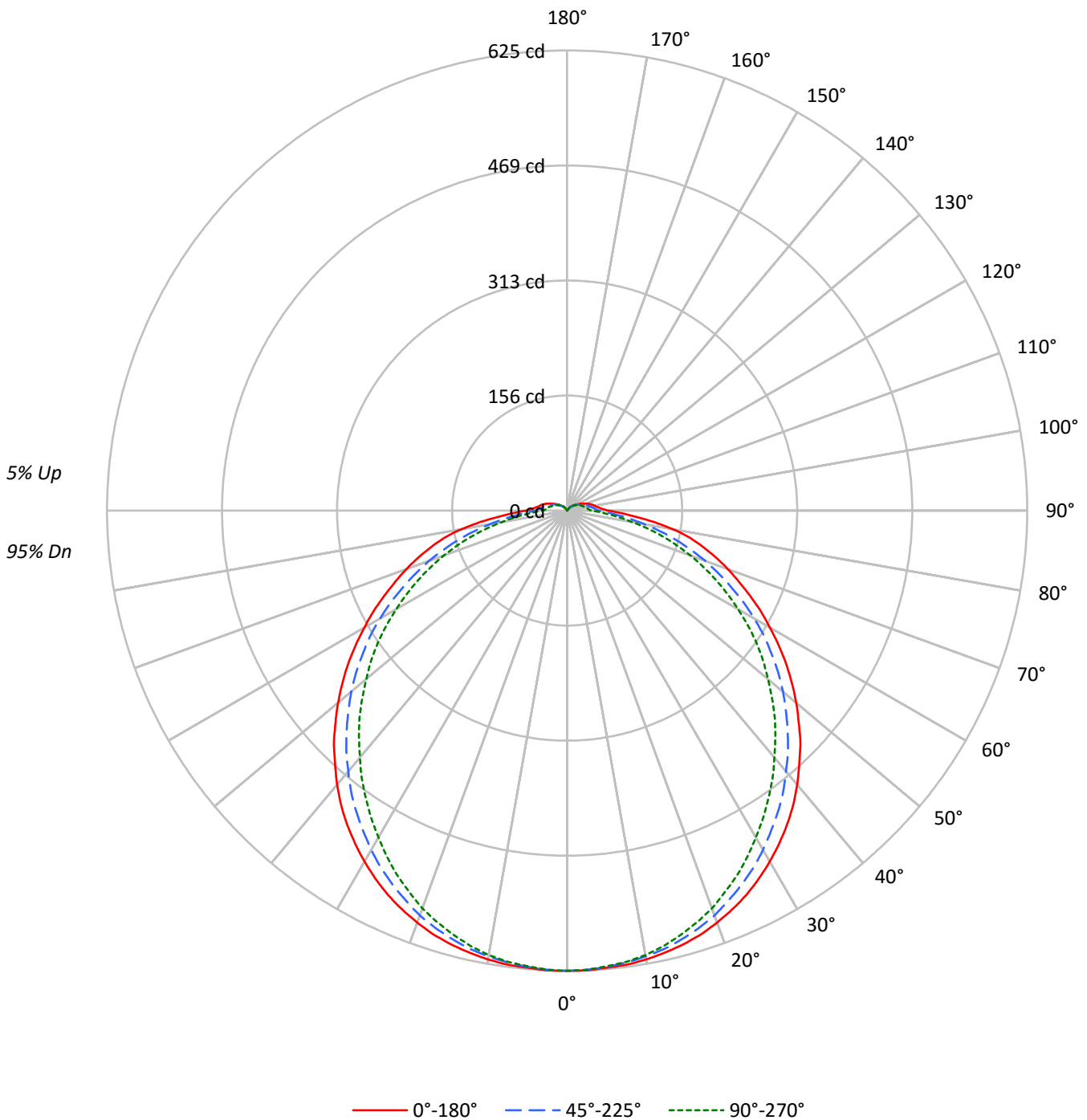
Lumens per Lamp: N/A
Luminaire Lumens: 2027.6 lumens
Efficiency: N/A
Efficacy: 124.4 lumens/watt
Spacing Criteria (0/90/45): 1.31 / 1.22 / 1.38
Luminous Opening: Rectangular w/ Sides (W: 2' x L: 2' x H: 0.17')
CIE Type: Direct

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°	1682	1682	1682
5°	1671	1663	1666
10°	1667	1646	1650
15°	1662	1627	1625
20°	1655	1607	1598
25°	1646	1578	1562
30°	1632	1548	1520
35°	1617	1515	1480
40°	1596	1478	1438
45°	1574	1442	1402
50°	1547	1405	1356
55°	1523	1360	1317
60°	1497	1312	1261
65°	1481	1248	1205
70°	1487	1186	1140
75°	1517	1100	1055
80°	1540	988	947
85°	1456	888	874



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	59.2	2.9
10°-20°	170.1	8.4
20°-30°	258.4	12.7
30°-40°	312.1	15.4
40°-50°	326.7	16.1
50°-60°	303.1	15.0
60°-70°	245.5	12.1
70°-80°	165.7	8.2
80°-90°	80.1	3.9
90°-100°	40.3	2.0
100°-110°	29.3	1.4
110°-120°	19.6	1.0
120°-130°	11.3	0.6
130°-140°	5.7	0.3
140°-150°	0.4	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	487.7	24.1
0°-40°	799.9	39.4
0°-60°	1429.7	70.5
0°-90°	1921.0	94.7
90°-120°	89.1	4.4
90°-150°	106.6	5.3
90°-180°	107.0	5.3
0°-180°	2027.6	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	625	625	625	625	625	
5°	623	622	622	621	621	59
15°	610	607	603	598	596	172
25°	576	571	561	550	546	265
35°	521	514	499	484	477	326
45°	448	440	424	406	399	345
55°	363	355	339	322	314	325
65°	274	264	246	232	223	272
75°	191	172	152	141	133	202
85°	92	80	68	61	55	87
90°	55	50	43	39	33	32
95°	44	41	37	33	29	35
105°	33	31	28	25	22	35
115°	22	20	20	17	17	22
125°	14	12	13	11	12	13
135°	8	7	7	7	8	6
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°	625.1	625.1	625.1	625.1	625.1
2.5°	625.1	624.1	624.1	624.1	624.1
5°	623.1	622.1	622.1	621.1	621.1
7.5°	622.1	620.0	619.0	618.0	618.0
10°	619.0	617.0	614.9	612.9	612.9
12.5°	614.9	612.9	609.8	605.7	605.7
15°	609.8	606.7	602.6	598.5	596.5
17.5°	603.7	600.6	594.5	588.3	586.3
20°	595.5	591.4	585.2	577.1	575.0
22.5°	586.3	582.2	573.0	564.8	560.7
25°	576.0	570.9	560.7	550.5	546.4
27.5°	563.8	558.6	547.4	535.1	530.0
30°	550.5	544.3	532.0	518.7	512.6
32.5°	536.1	529.0	515.7	501.3	495.2
35°	520.8	513.6	499.3	484.0	476.8
37.5°	504.4	497.3	481.9	465.5	458.4
40°	486.0	478.8	462.5	446.1	437.9
42.5°	466.6	460.4	444.0	426.7	418.5
45°	448.1	440.0	423.6	406.2	399.0
47.5°	426.7	420.5	403.1	385.7	377.5
50°	406.2	399.0	382.7	365.3	356.1
52.5°	384.7	378.6	361.2	343.8	335.6
55°	363.2	355.0	338.7	322.3	314.1
57.5°	340.7	333.5	317.2	301.8	291.6
60°	318.2	311.0	293.6	279.3	268.1
62.5°	296.7	288.5	270.1	254.8	245.6
65°	274.2	264.0	245.6	232.3	223.0
67.5°	252.7	240.4	222.0	209.7	200.5
70°	232.3	217.9	199.5	187.2	178.0
72.5°	211.8	194.4	175.0	163.7	155.5
75°	191.3	171.9	152.4	141.2	133.0
77.5°	170.9	148.4	128.9	119.7	111.5
80°	146.3	124.8	106.4	98.2	90.0
82.5°	118.7	101.3	85.9	77.8	71.6
85°	92.1	79.8	67.5	61.4	55.3
87.5°	71.6	62.4	53.2	48.1	43.0
90°	55.3	50.1	43.0	38.9	32.7
92.5°	48.1	44.0	38.9	34.8	29.7
95°	44.0	40.9	36.8	32.7	28.6
97.5°	39.9	37.9	33.8	30.7	26.6
100°	37.9	34.8	31.7	28.6	25.6
102.5°	35.8	32.7	29.7	26.6	24.6
105°	32.7	30.7	27.6	24.6	22.5
107.5°	30.7	27.6	25.6	22.5	21.5
110°	27.6	25.6	23.5	21.5	20.5



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	24.6	23.5	21.5	19.4	18.4
115°	22.5	20.5	20.5	17.4	17.4
117.5°	20.5	18.4	18.4	16.4	16.4
120°	17.4	16.4	16.4	14.3	14.3
122.5°	15.3	14.3	14.3	13.3	13.3
125°	14.3	12.3	13.3	11.3	12.3
127.5°	12.3	11.3	11.3	10.2	11.3
130°	10.2	9.2	9.2	9.2	10.2
132.5°	9.2	8.2	8.2	8.2	9.2
135°	8.2	7.2	7.2	7.2	8.2
137.5°	7.2	6.1	5.1	6.1	7.2
140°	6.1	5.1	4.1	5.1	6.1
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)