

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: P384055

Luminaire Tested: **14ID-20-L835-CFD1**

Issue Date: 2/25/2020

Test Information

Test Method: LM-79-08
Report Number: P384055
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: 14ID-20-L835-CFD1
Description: 1X4 IN DEPTH TROFFER WITH 1INCH DROP CUBE LENS

Light Source: -
Ballast/Driver: -

Summary

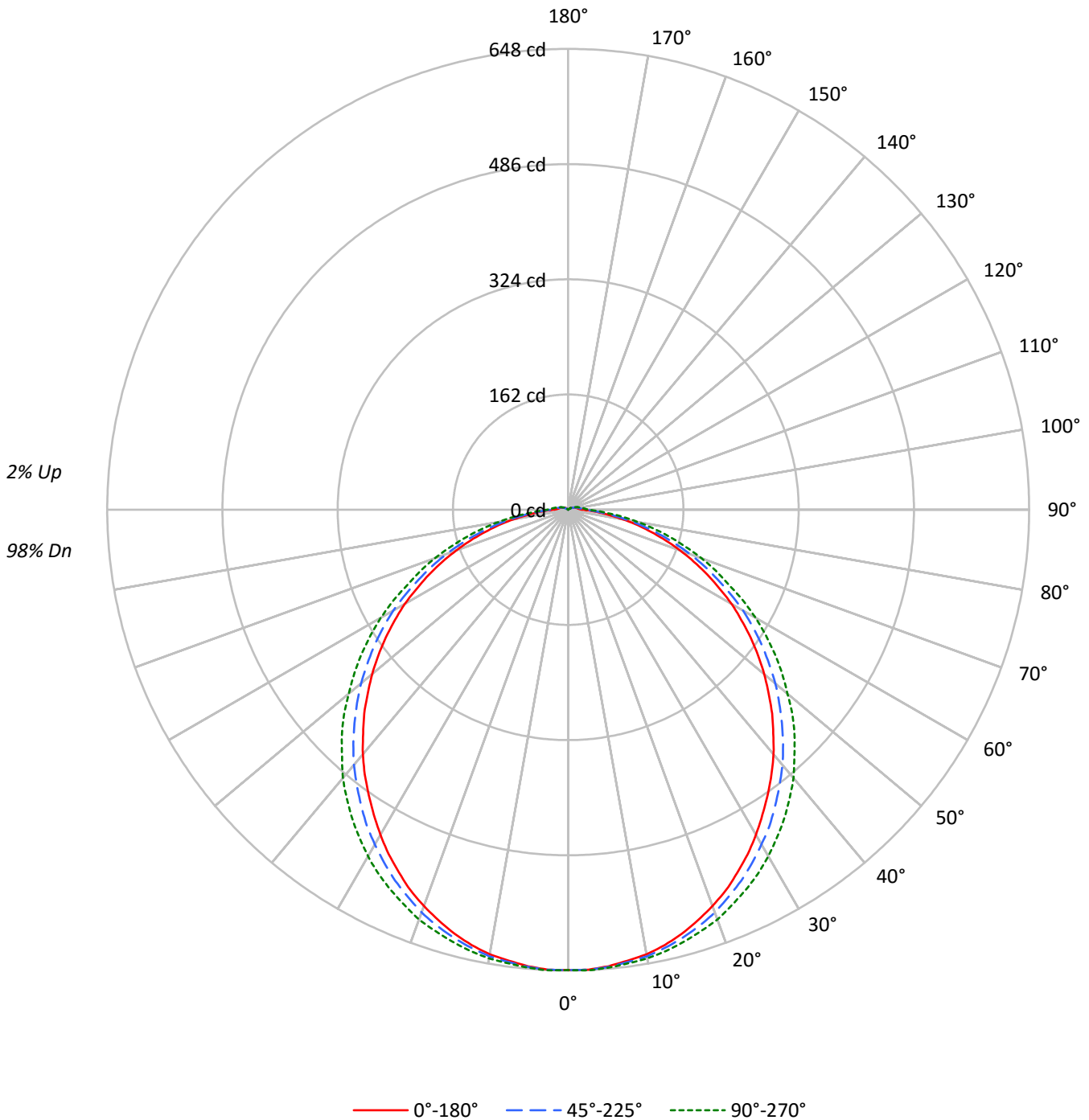
Lumens per Lamp: N/A
Luminaire Lumens: 1917.4 lumens
Efficiency: N/A
Efficacy: 116.9 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.29 / 1.37
Luminous Opening: Rectangular w/ Sides (W: 1' x L: 4' x H: 0.08')
CIE Type: Direct

Input Watts (W): 16.4
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	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°	1742	1742	1742
5°	1738	1733	1733
10°	1728	1720	1725
15°	1710	1702	1714
20°	1685	1681	1705
25°	1655	1652	1686
30°	1621	1620	1669
35°	1583	1585	1645
40°	1551	1550	1618
45°	1511	1506	1581
50°	1469	1463	1532
55°	1426	1411	1488
60°	1379	1355	1431
65°	1315	1272	1345
70°	1244	1190	1276
75°	1163	1078	1172
80°	1078	946	1044
85°	1042	815	892



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	61.3	3.2
10°-20°	175.8	9.2
20°-30°	265.4	13.8
30°-40°	317.9	16.6
40°-50°	328.7	17.1
50°-60°	297.7	15.5
60°-70°	230.4	12.0
70°-80°	141.5	7.4
80°-90°	56.2	2.9
90°-100°	20.5	1.1
100°-110°	12.6	0.7
110°-120°	6.5	0.3
120°-130°	2.8	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°	502.4	26.2
0°-40°	820.4	42.8
0°-60°	1446.8	75.5
0°-90°	1874.9	97.8
90°-120°	39.6	2.1
90°-150°	42.5	2.2
90°-180°	43.0	2.2
0°-180°	1917.4	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	647	647	647	647	647	
5°	644	644	646	646	646	61
15°	617	618	623	627	629	174
25°	563	567	576	585	590	259
35°	489	495	507	521	530	306
45°	405	410	425	442	450	312
55°	313	320	332	347	355	280
65°	216	221	231	243	249	213
75°	120	126	132	141	148	128
85°	42	45	49	54	56	42
90°	19	22	24	27	29	11
95°	15	16	18	20	22	12
105°	11	11	12	13	14	11
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°	647.4	647.4	647.4	647.4	647.4
2.5°	647.4	646.4	647.4	647.4	648.4
5°	644.5	644.5	645.5	645.5	646.4
7.5°	639.6	639.6	641.6	642.5	643.5
10°	634.8	634.8	637.7	638.7	640.6
12.5°	627.0	628.0	630.9	633.8	635.7
15°	617.3	618.2	623.1	627.0	628.9
17.5°	605.6	607.5	613.4	619.2	621.2
20°	593.0	595.9	602.7	609.5	613.4
22.5°	579.4	581.3	589.1	597.8	601.7
25°	562.8	566.7	575.5	585.2	590.0
27.5°	546.3	550.2	559.9	571.6	577.4
30°	527.8	531.7	543.4	556.0	562.8
32.5°	508.4	513.3	526.9	539.5	546.3
35°	489.0	494.8	507.4	521.0	529.8
37.5°	469.5	474.4	488.0	502.6	511.3
40°	449.1	454.0	468.5	483.1	492.8
42.5°	426.7	432.6	447.2	462.7	470.5
45°	405.4	410.2	424.8	442.3	450.1
47.5°	382.0	388.8	402.4	419.0	427.7
50°	359.7	365.5	380.1	395.6	402.4
52.5°	336.3	342.2	355.8	371.3	379.1
55°	313.0	319.8	332.4	347.0	354.8
57.5°	288.7	295.5	308.1	320.8	329.5
60°	265.4	272.2	283.8	296.5	304.3
62.5°	239.1	245.0	257.6	271.2	277.0
65°	215.8	220.7	231.4	243.0	248.9
67.5°	191.5	197.3	207.1	217.7	224.5
70°	167.2	174.0	181.8	191.5	199.3
72.5°	143.9	149.7	156.5	166.2	173.0
75°	120.5	126.4	132.2	141.0	147.8
77.5°	100.1	103.0	108.9	116.6	123.5
80°	77.8	81.7	86.5	94.3	99.2
82.5°	58.3	62.2	66.1	71.9	76.8
85°	41.8	44.7	48.6	53.5	56.4
87.5°	28.2	31.1	34.0	37.9	40.8
90°	19.4	22.4	24.3	27.2	29.2
92.5°	16.5	18.5	20.4	22.4	24.3
95°	14.6	16.5	18.5	20.4	22.4
97.5°	13.6	14.6	16.5	18.5	19.4
100°	12.6	13.6	14.6	16.5	17.5
102.5°	11.7	11.7	13.6	14.6	15.6
105°	10.7	10.7	11.7	12.6	13.6
107.5°	9.7	9.7	10.7	10.7	12.6
110°	8.7	7.8	8.7	8.7	10.7



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	7.8	6.8	7.8	7.8	8.7
115°	6.8	5.8	5.8	6.8	7.8
117.5°	5.8	4.9	4.9	4.9	6.8
120°	5.8	4.9	3.9	3.9	5.8
122.5°	4.9	3.9	2.9	3.9	4.9
125°	3.9	2.9	1.9	2.9	3.9
127.5°	2.9	2.9	1.0	1.9	2.9
130°	2.9	1.9	1.0	1.9	1.9
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)