

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: P384255

Luminaire Tested: **14ID-60-L835-CFD2**

Issue Date: 2/25/2020

Test Information

Test Method: LM-79-08
Report Number: P384255
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: 14ID-60-L835-CFD2
Description: 1X4 IN DEPTH TROFFER WITH 2INCH DROP CUBE LENS

Light Source: -
Ballast/Driver: -

Summary

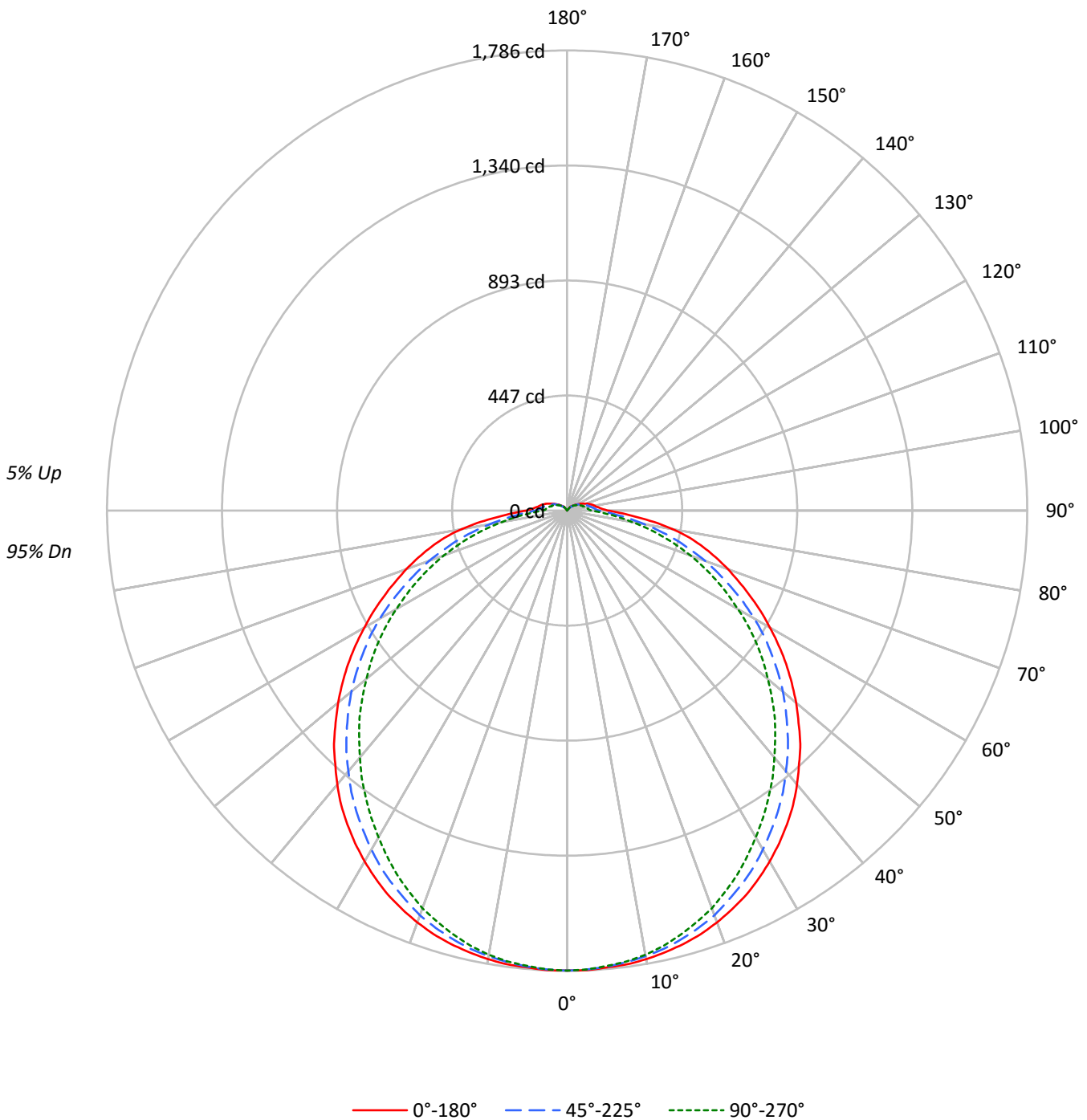
Lumens per Lamp: N/A
Luminaire Lumens: 5791.1 lumens
Efficiency: N/A
Efficacy: 108.7 lumens/watt
Spacing Criteria (0/90/45): 1.31 / 1.22 / 1.38
Luminous Opening: Rectangular w/ Sides (W: 1' x L: 4' x H: 0.17')
CIE Type: Direct

Input Watts (W): 53.3
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°	4805	4805	4805
5°	4790	4738	4723
10°	4796	4678	4646
15°	4799	4613	4543
20°	4798	4543	4434
25°	4792	4449	4299
30°	4770	4352	4150
35°	4748	4247	4006
40°	4711	4130	3854
45°	4676	4013	3718
50°	4627	3892	3552
55°	4594	3749	3400
60°	4562	3596	3197
65°	4578	3393	2989
70°	4683	3191	2744
75°	4917	2921	2435
80°	5238	2566	2049
85°	5501	2219	1677



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	169.0	2.9
10°-20°	485.9	8.4
20°-30°	738.1	12.7
30°-40°	891.5	15.4
40°-50°	933.1	16.1
50°-60°	865.8	15.0
60°-70°	701.3	12.1
70°-80°	473.3	8.2
80°-90°	228.7	3.9
90°-100°	115.0	2.0
100°-110°	83.6	1.4
110°-120°	55.9	1.0
120°-130°	32.4	0.6
130°-140°	16.3	0.3
140°-150°	1.3	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	1393.0	24.1
0°-40°	2284.5	39.4
0°-60°	4083.4	70.5
0°-90°	5486.6	94.7
90°-120°	254.5	4.4
90°-150°	304.5	5.3
90°-180°	304.0	5.2
0°-180°	5791.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1786	1786	1786	1786	1786	
5°	1780	1777	1777	1774	1774	170
15°	1742	1733	1721	1710	1704	492
25°	1645	1631	1601	1572	1560	758
35°	1487	1467	1426	1382	1362	931
45°	1280	1257	1210	1160	1140	986
55°	1037	1014	967	920	897	927
65°	783	754	701	663	637	777
75°	546	491	435	403	380	576
85°	263	228	193	175	158	249
90°	158	143	123	111	94	90
95°	126	117	105	94	82	99
105°	94	88	79	70	64	100
115°	64	58	58	50	50	64
125°	41	35	38	32	35	36
135°	23	20	20	20	23	18
145°	0	0	0	0	0	2
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°	1785.5	1785.5	1785.5	1785.5	1785.5
2.5°	1785.5	1782.6	1782.6	1782.6	1782.6
5°	1779.7	1776.7	1776.7	1773.8	1773.8
7.5°	1776.7	1770.9	1768.0	1765.0	1765.0
10°	1768.0	1762.1	1756.3	1750.4	1750.4
12.5°	1756.3	1750.4	1741.7	1730.0	1730.0
15°	1741.7	1732.9	1721.2	1709.5	1703.7
17.5°	1724.1	1715.4	1697.8	1680.3	1674.5
20°	1700.8	1689.1	1671.5	1648.2	1642.3
22.5°	1674.5	1662.8	1636.5	1613.1	1601.4
25°	1645.2	1630.6	1601.4	1572.2	1560.5
27.5°	1610.2	1595.6	1563.4	1528.3	1513.7
30°	1572.2	1554.6	1519.6	1481.6	1464.1
32.5°	1531.3	1510.8	1472.8	1431.9	1414.4
35°	1487.4	1467.0	1426.1	1382.2	1361.8
37.5°	1440.7	1420.2	1376.4	1329.6	1309.2
40°	1388.1	1367.6	1320.9	1274.1	1250.7
42.5°	1332.6	1315.0	1268.3	1218.6	1195.2
45°	1280.0	1256.6	1209.8	1160.1	1139.7
47.5°	1218.6	1201.1	1151.4	1101.7	1078.3
50°	1160.1	1139.7	1092.9	1043.2	1016.9
52.5°	1098.8	1081.2	1031.6	981.9	958.5
55°	1037.4	1014.0	967.3	920.5	897.1
57.5°	973.1	952.7	905.9	862.1	832.8
60°	908.8	888.4	838.7	797.8	765.6
62.5°	847.5	824.1	771.5	727.6	701.3
65°	783.2	753.9	701.3	663.4	637.1
67.5°	721.8	686.7	634.1	599.1	572.8
70°	663.4	622.4	569.8	534.8	508.5
72.5°	604.9	555.2	499.7	467.6	444.2
75°	546.5	490.9	435.4	403.3	379.9
77.5°	488.0	423.7	368.2	341.9	318.5
80°	417.9	356.5	303.9	280.5	257.2
82.5°	339.0	289.3	245.5	222.1	204.6
85°	263.0	227.9	192.9	175.3	157.8
87.5°	204.6	178.3	152.0	137.3	122.7
90°	157.8	143.2	122.7	111.0	93.5
92.5°	137.3	125.7	111.0	99.4	84.7
95°	125.7	116.9	105.2	93.5	81.8
97.5°	114.0	108.1	96.4	87.7	76.0
100°	108.1	99.4	90.6	81.8	73.1
102.5°	102.3	93.5	84.7	76.0	70.1
105°	93.5	87.7	78.9	70.1	64.3
107.5°	87.7	78.9	73.1	64.3	61.4
110°	78.9	73.1	67.2	61.4	58.4



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	70.1	67.2	61.4	55.5	52.6
115°	64.3	58.4	58.4	49.7	49.7
117.5°	58.4	52.6	52.6	46.8	46.8
120°	49.7	46.8	46.8	40.9	40.9
122.5°	43.8	40.9	40.9	38.0	38.0
125°	40.9	35.1	38.0	32.1	35.1
127.5°	35.1	32.1	32.1	29.2	32.1
130°	29.2	26.3	26.3	26.3	29.2
132.5°	26.3	23.4	23.4	23.4	26.3
135°	23.4	20.5	20.5	20.5	23.4
137.5°	20.5	17.5	14.6	17.5	20.5
140°	17.5	14.6	11.7	14.6	17.5
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)