

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: P384315

Luminaire Tested: **22ID-65-L835-CFD2**

Issue Date: 2/25/2020

Test Information

Test Method: LM-79-08
Report Number: P384315
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-65-L835-CFD2
Description: 2X2 IN DEPTH TROFFER WITH 2INCH DROP CUBE LENS

Light Source: -
Ballast/Driver: -

Summary

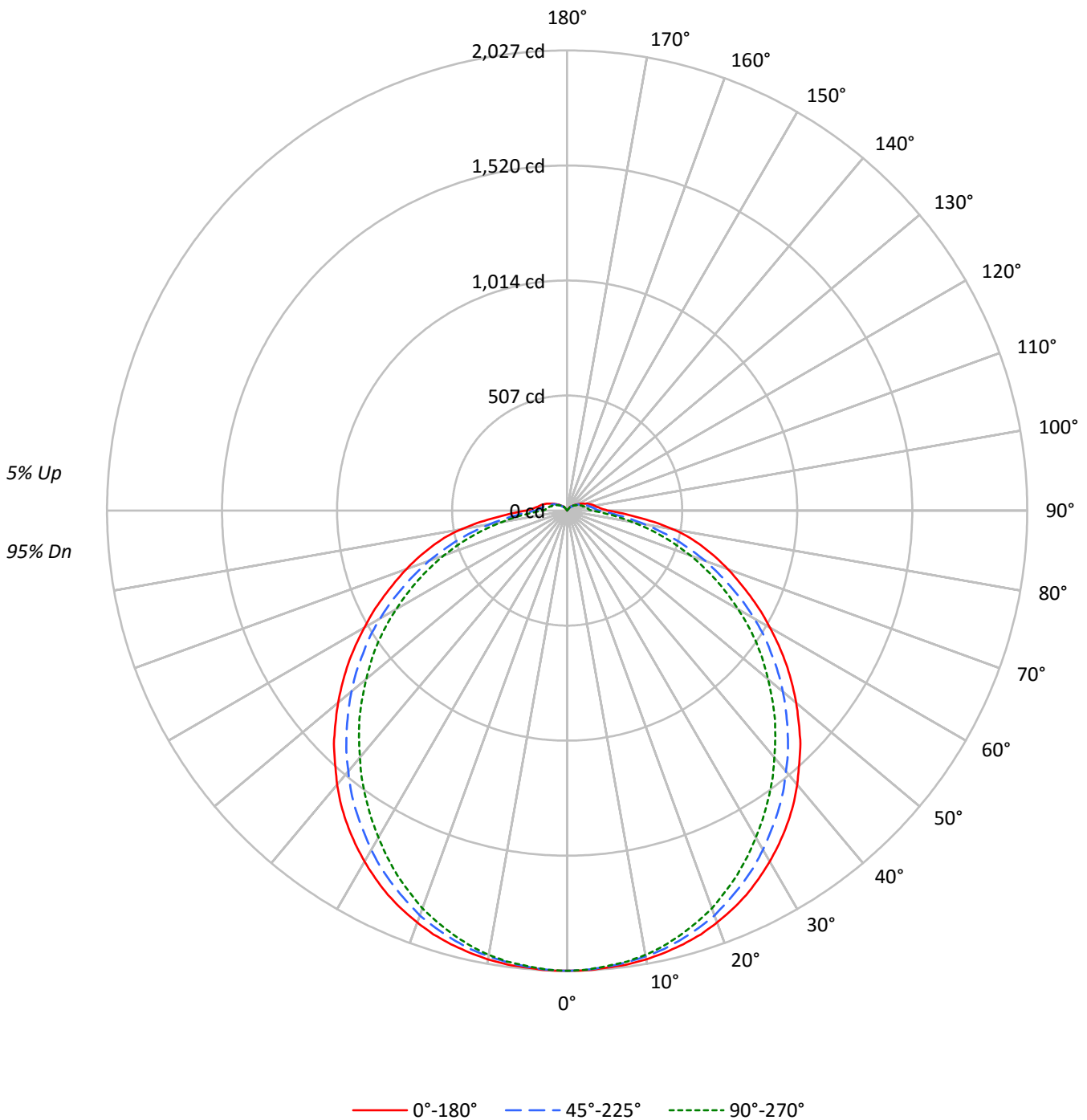
Lumens per Lamp: N/A
Luminaire Lumens: 6575.0 lumens
Efficiency: N/A
Efficacy: 117.4 lumens/watt
Spacing Criteria (0/90/45): 1.31 / 1.22 / 1.38
Luminous Opening: Rectangular w/ Sides (W: 2' x L: 2' x H: 0.17')
CIE Type: Direct

Input Watts (W): 56
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°	5455	5455	5455
5°	5419	5393	5401
10°	5406	5338	5352
15°	5389	5278	5271
20°	5367	5211	5182
25°	5339	5117	5064
30°	5292	5019	4928
35°	5242	4913	4799
40°	5174	4794	4662
45°	5105	4676	4546
50°	5016	4555	4397
55°	4938	4410	4271
60°	4853	4256	4088
65°	4803	4047	3907
70°	4821	3845	3696
75°	4920	3570	3420
80°	4993	3205	3073
85°	4722	2881	2834



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	191.9	2.9
10°-20°	551.7	8.4
20°-30°	838.0	12.7
30°-40°	1012.2	15.4
40°-50°	1059.4	16.1
50°-60°	983.0	15.0
60°-70°	796.2	12.1
70°-80°	537.3	8.2
80°-90°	259.6	3.9
90°-100°	130.6	2.0
100°-110°	94.9	1.4
110°-120°	63.5	1.0
120°-130°	36.8	0.6
130°-140°	18.5	0.3
140°-150°	1.4	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	1581.5	24.1
0°-40°	2593.7	39.4
0°-60°	4636.1	70.5
0°-90°	6229.3	94.7
90°-120°	289.0	4.4
90°-150°	345.7	5.3
90°-180°	346.0	5.3
0°-180°	6575.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2027	2027	2027	2027	2027	
5°	2021	2017	2017	2014	2014	193
15°	1977	1968	1954	1941	1934	559
25°	1868	1851	1818	1785	1772	861
35°	1689	1666	1619	1569	1546	1057
45°	1453	1427	1374	1317	1294	1119
55°	1178	1151	1098	1045	1019	1053
65°	889	856	796	753	723	882
75°	620	557	494	458	431	654
85°	299	259	219	199	179	282
90°	179	163	139	126	106	102
95°	143	133	119	106	93	112
105°	106	100	90	80	73	113
115°	73	66	66	56	56	73
125°	46	40	43	36	40	41
135°	26	23	23	23	26	21
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°	2027.2	2027.2	2027.2	2027.2	2027.2
2.5°	2027.2	2023.9	2023.9	2023.9	2023.9
5°	2020.6	2017.2	2017.2	2013.9	2013.9
7.5°	2017.2	2010.6	2007.3	2004.0	2004.0
10°	2007.3	2000.7	1994.0	1987.4	1987.4
12.5°	1994.0	1987.4	1977.4	1964.2	1964.2
15°	1977.4	1967.5	1954.2	1940.9	1934.3
17.5°	1957.5	1947.6	1927.7	1907.8	1901.1
20°	1931.0	1917.7	1897.8	1871.3	1864.6
22.5°	1901.1	1887.8	1858.0	1831.4	1818.2
25°	1867.9	1851.4	1818.2	1785.0	1771.7
27.5°	1828.1	1811.5	1775.0	1735.2	1718.6
30°	1785.0	1765.1	1725.3	1682.1	1662.2
32.5°	1738.5	1715.3	1672.2	1625.7	1605.8
35°	1688.8	1665.6	1619.1	1569.3	1546.1
37.5°	1635.7	1612.5	1562.7	1509.6	1486.4
40°	1576.0	1552.7	1499.7	1446.6	1420.0
42.5°	1512.9	1493.0	1439.9	1383.5	1357.0
45°	1453.2	1426.7	1373.6	1317.2	1294.0
47.5°	1383.5	1363.6	1307.2	1250.8	1224.3
50°	1317.2	1294.0	1240.9	1184.5	1154.6
52.5°	1247.5	1227.6	1171.2	1114.8	1088.2
55°	1177.8	1151.3	1098.2	1045.1	1018.6
57.5°	1104.8	1081.6	1028.5	978.8	945.6
60°	1031.8	1008.6	952.2	905.8	869.3
62.5°	962.2	935.6	875.9	826.1	796.3
65°	889.2	856.0	796.3	753.1	723.3
67.5°	819.5	779.7	720.0	680.2	650.3
70°	753.1	706.7	647.0	607.2	577.3
72.5°	686.8	630.4	567.3	530.9	504.3
75°	620.4	557.4	494.4	457.9	431.3
77.5°	554.1	481.1	418.0	388.2	361.6
80°	474.5	404.8	345.1	318.5	292.0
82.5°	384.9	328.5	278.7	252.2	232.2
85°	298.6	258.8	219.0	199.1	179.2
87.5°	232.2	202.4	172.5	155.9	139.3
90°	179.2	162.6	139.3	126.1	106.2
92.5°	155.9	142.7	126.1	112.8	96.2
95°	142.7	132.7	119.4	106.2	92.9
97.5°	129.4	122.8	109.5	99.5	86.3
100°	122.8	112.8	102.9	92.9	82.9
102.5°	116.1	106.2	96.2	86.3	79.6
105°	106.2	99.5	89.6	79.6	73.0
107.5°	99.5	89.6	82.9	73.0	69.7
110°	89.6	82.9	76.3	69.7	66.4



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	79.6	76.3	69.7	63.0	59.7
115°	73.0	66.4	66.4	56.4	56.4
117.5°	66.4	59.7	59.7	53.1	53.1
120°	56.4	53.1	53.1	46.4	46.4
122.5°	49.8	46.4	46.4	43.1	43.1
125°	46.4	39.8	43.1	36.5	39.8
127.5°	39.8	36.5	36.5	33.2	36.5
130°	33.2	29.9	29.9	29.9	33.2
132.5°	29.9	26.5	26.5	26.5	29.9
135°	26.5	23.2	23.2	23.2	26.5
137.5°	23.2	19.9	16.6	19.9	23.2
140°	19.9	16.6	13.3	16.6	19.9
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)