

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: P384143

Luminaire Tested: **22ID-60-L835-CFD1**

Issue Date: 2/25/2020

Test Information

Test Method: LM-79-08
Report Number: P384143
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: 22ID-60-L835-CFD1
Description: 2X2 IN DEPTH TROFFER WITH 1INCH DROP CUBE LENS

Light Source: -
Ballast/Driver: -

Summary

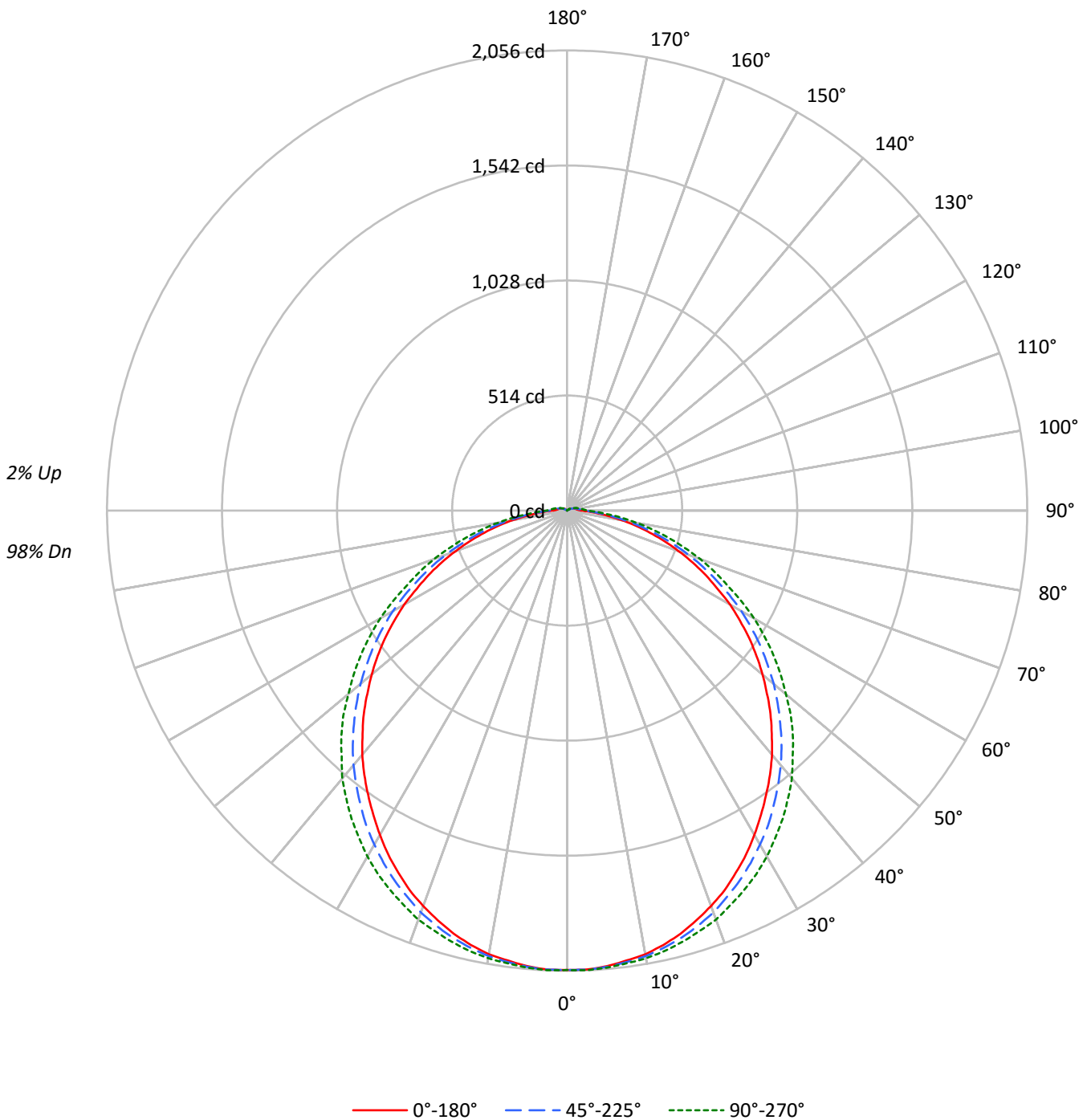
Lumens per Lamp: N/A
Luminaire Lumens: 6079.2 lumens
Efficiency: N/A
Efficacy: 119.4 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.29 / 1.37
Luminous Opening: Rectangular w/ Sides (W: 2' x L: 2' x H: 0.08')
CIE Type: Direct

Input Watts (W): 50.9
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



TEST NUMBER: P384143
CATALOG NUMBER: 22ID-60-L835-CFD1

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°	5524	5524	5524
5°	5500	5500	5516
10°	5459	5468	5509
15°	5392	5418	5494
20°	5303	5357	5486
25°	5198	5272	5449
30°	5078	5177	5415
35°	4949	5076	5362
40°	4833	4973	5304
45°	4695	4840	5213
50°	4548	4714	5089
55°	4395	4561	4981
60°	4224	4395	4843
65°	3999	4147	4612
70°	3743	3903	4461
75°	3439	3573	4216
80°	3091	3186	3941
85°	2772	2844	3740



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	194.4	3.2
10°-20°	557.3	9.2
20°-30°	841.3	13.8
30°-40°	1008.1	16.6
40°-50°	1042.2	17.1
50°-60°	943.8	15.5
60°-70°	730.3	12.0
70°-80°	448.6	7.4
80°-90°	178.3	2.9
90°-100°	65.0	1.1
100°-110°	40.0	0.7
110°-120°	20.6	0.3
120°-130°	8.8	0.1
130°-140°	0.6	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°	1593.0	26.2
0°-40°	2601.0	42.8
0°-60°	4587.1	75.5
0°-90°	5944.3	97.8
90°-120°	125.5	2.1
90°-150°	134.9	2.2
90°-180°	135.0	2.2
0°-180°	6079.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2053	2053	2053	2053	2053	
5°	2043	2043	2046	2046	2050	194
15°	1957	1960	1976	1988	1994	552
25°	1784	1797	1824	1855	1871	822
35°	1550	1569	1609	1652	1680	971
45°	1285	1301	1347	1402	1427	991
55°	992	1014	1054	1100	1125	887
65°	684	700	734	770	789	677
75°	382	401	419	447	468	407
85°	132	142	154	170	179	132
90°	62	71	77	86	92	36
95°	46	52	59	65	71	37
105°	34	34	37	40	43	36
115°	22	18	18	22	25	22
125°	12	9	6	9	12	11
135°	0	0	0	0	0	1
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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CATALOG NUMBER: 22ID-60-L835-CFD1

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2052.6	2052.6	2052.6	2052.6	2052.6
2.5°	2052.6	2049.5	2052.6	2052.6	2055.7
5°	2043.4	2043.4	2046.5	2046.5	2049.5
7.5°	2028.0	2028.0	2034.1	2037.2	2040.3
10°	2012.6	2012.6	2021.8	2024.9	2031.0
12.5°	1987.9	1991.0	2000.2	2009.5	2015.6
15°	1957.1	1960.2	1975.6	1987.9	1994.1
17.5°	1920.1	1926.3	1944.7	1963.2	1969.4
20°	1880.0	1889.3	1910.8	1932.4	1944.7
22.5°	1836.9	1843.0	1867.7	1895.4	1907.8
25°	1784.5	1796.8	1824.5	1855.4	1870.8
27.5°	1732.1	1744.4	1775.2	1812.2	1830.7
30°	1673.5	1685.9	1722.8	1762.9	1784.5
32.5°	1611.9	1627.3	1670.4	1710.5	1732.1
35°	1550.3	1568.7	1608.8	1652.0	1679.7
37.5°	1488.6	1504.0	1547.2	1593.4	1621.1
40°	1423.9	1439.3	1485.5	1531.8	1562.6
42.5°	1353.0	1371.5	1417.7	1467.0	1491.7
45°	1285.2	1300.6	1346.8	1402.3	1427.0
47.5°	1211.2	1232.8	1276.0	1328.3	1356.1
50°	1140.3	1158.8	1205.1	1254.4	1276.0
52.5°	1066.4	1084.9	1128.0	1177.3	1202.0
55°	992.4	1014.0	1054.0	1100.3	1124.9
57.5°	915.4	936.9	977.0	1017.1	1044.8
60°	841.4	863.0	899.9	940.0	964.7
62.5°	758.2	776.7	816.7	859.9	878.4
65°	684.2	699.6	733.5	770.5	789.0
67.5°	607.2	625.6	656.5	690.4	711.9
70°	530.1	551.7	576.3	607.2	631.8
72.5°	456.1	474.6	496.2	527.0	548.6
75°	382.2	400.7	419.2	446.9	468.5
77.5°	317.4	326.7	345.2	369.8	391.4
80°	246.6	258.9	274.3	299.0	314.4
82.5°	184.9	197.2	209.6	228.1	243.5
85°	132.5	141.8	154.1	169.5	178.8
87.5°	89.4	98.6	107.9	120.2	129.4
90°	61.6	70.9	77.1	86.3	92.5
92.5°	52.4	58.6	64.7	70.9	77.1
95°	46.2	52.4	58.6	64.7	70.9
97.5°	43.1	46.2	52.4	58.6	61.6
100°	40.1	43.1	46.2	52.4	55.5
102.5°	37.0	37.0	43.1	46.2	49.3
105°	33.9	33.9	37.0	40.1	43.1
107.5°	30.8	30.8	33.9	33.9	40.1
110°	27.7	24.7	27.7	27.7	33.9



TEST NUMBER: P384143

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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	24.7	21.6	24.7	24.7	27.7
115°	21.6	18.5	18.5	21.6	24.7
117.5°	18.5	15.4	15.4	15.4	21.6
120°	18.5	15.4	12.3	12.3	18.5
122.5°	15.4	12.3	9.2	12.3	15.4
125°	12.3	9.2	6.2	9.2	12.3
127.5°	9.2	9.2	3.1	6.2	9.2
130°	9.2	6.2	3.1	6.2	6.2
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)