

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: P384563

Luminaire Tested: **14ID-25-L835-CFD3**

Issue Date: 2/25/2020

Test Information

Test Method: LM-79-08
Report Number: P384563
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1911-572-69)
Test Lab: INNOVATION CENTER (G2)
Issue Date: 2/25/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 14ID-25-L835-CFD3
Description: 1X4 IN DEPTH TROFFER WITH 3INCH DROP CUBE LENS

Light Source: -
Ballast/Driver: -

Summary

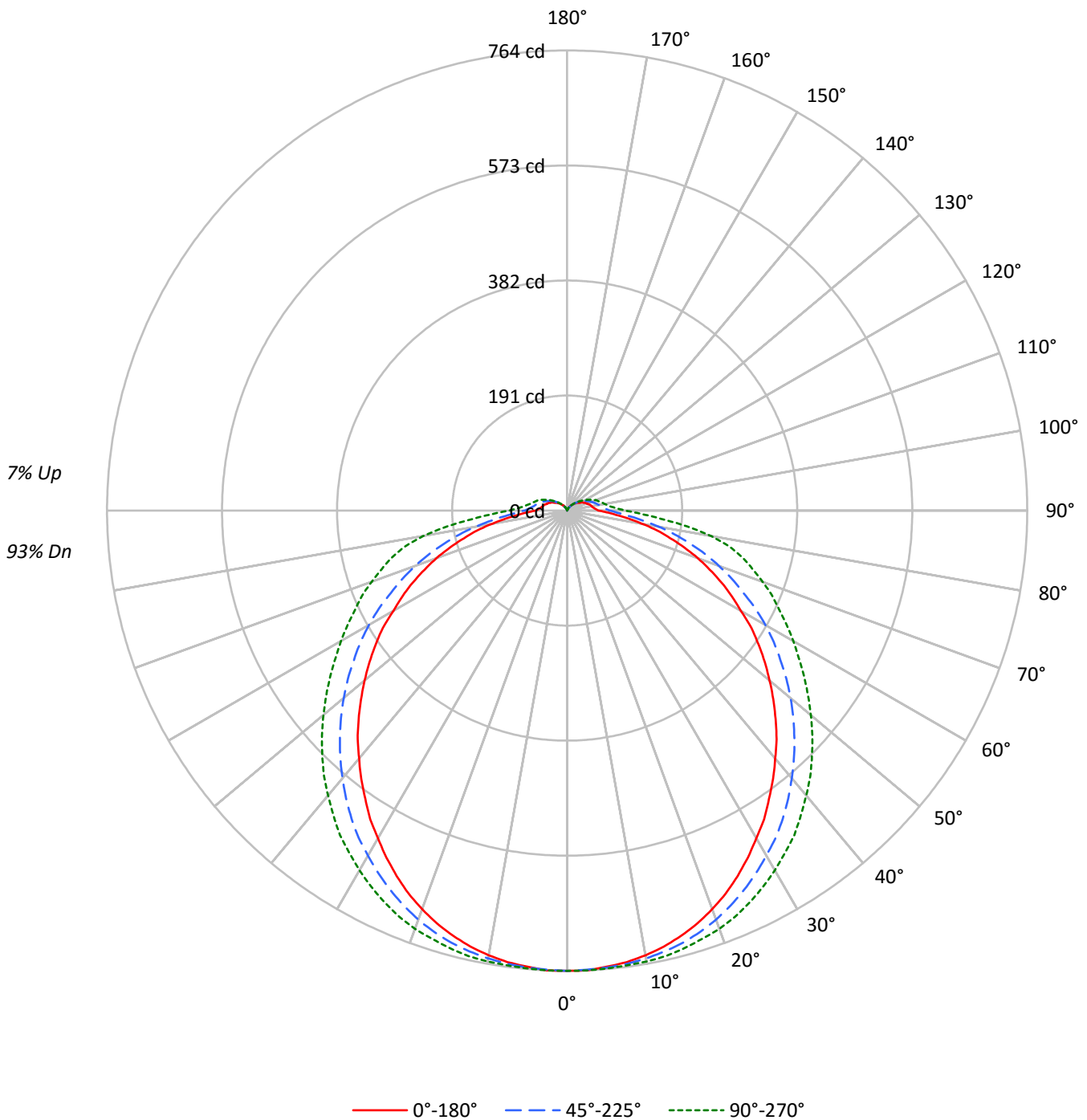
Lumens per Lamp: N/A
Luminaire Lumens: 2674.4 lumens
Efficiency: N/A
Efficacy: 131.1 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.34 / 1.41
Luminous Opening: Rectangular w/ Sides (W: 1' x L: 4' x H: 0.25')
CIE Type: Direct

Input Watts (W): 20.4
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: P384563
CATALOG NUMBER: 14ID-25-L835-CFD3

Luminous Intensity Polar Plot





TEST NUMBER: P384563

CATALOG NUMBER: 14ID-25-L835-CFD3

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	117	117	117	117	114	114	114	114	107	107	107	101	101	101	95	95	95	93
1	105	100	95	91	102	97	93	89	91	88	84	86	83	80	81	79	77	74
2	95	86	79	73	92	84	77	71	79	73	68	74	70	66	70	67	63	60
3	86	75	66	60	83	73	65	59	69	62	57	65	59	55	62	57	53	50
4	79	66	57	50	76	64	56	49	61	54	48	58	51	46	55	49	45	42
5	72	59	50	43	70	57	49	42	54	47	41	52	45	40	49	43	39	36
6	67	53	44	37	64	52	43	37	49	41	36	47	40	35	44	39	34	32
7	62	48	39	33	60	47	38	32	44	37	31	42	36	31	40	35	30	28
8	57	44	35	29	55	43	34	29	41	33	28	39	32	27	37	31	27	25
9	54	40	32	26	52	39	31	26	37	30	25	36	29	25	34	28	24	22
10	50	37	29	23	49	36	28	23	35	28	23	33	27	22	32	26	22	20

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2056	2056	2056
5°	2042	2018	2017
10°	2026	1985	1990
15°	2003	1954	1964
20°	1972	1916	1939
25°	1932	1871	1908
30°	1884	1823	1873
35°	1839	1776	1838
40°	1794	1719	1793
45°	1753	1663	1750
50°	1710	1605	1704
55°	1672	1541	1660
60°	1619	1479	1628
65°	1588	1395	1609
70°	1549	1313	1611
75°	1496	1201	1621
80°	1450	1064	1556
85°	1466	899	1249



TEST NUMBER: P384563

CATALOG NUMBER: 14ID-25-L835-CFD3

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	72.5	2.7
10°-20°	209.4	7.8
20°-30°	319.9	12.0
30°-40°	389.5	14.6
40°-50°	411.6	15.4
50°-60°	388.6	14.5
60°-70°	326.9	12.2
70°-80°	235.7	8.8
80°-90°	124.3	4.6
90°-100°	66.5	2.5
100°-110°	50.5	1.9
110°-120°	36.6	1.4
120°-130°	23.0	0.9
130°-140°	12.4	0.5
140°-150°	5.4	0.2
150°-160°	1.5	0.1
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	601.8	22.5
0°-40°	991.3	37.1
0°-60°	1791.5	67.0
0°-90°	2478.3	92.7
90°-120°	153.7	5.7
90°-150°	194.6	7.3
90°-180°	196.0	7.3
0°-180°	2674.4	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	764	764	764	764	764	
5°	760	760	762	762	763	72
15°	731	734	743	748	752	206
25°	670	678	695	711	718	308
35°	584	598	624	648	658	366
45°	490	504	534	563	575	378
55°	388	406	432	464	480	347
65°	283	299	323	363	388	280
75°	177	192	211	252	301	188
85°	81	92	103	128	156	76
90°	52	61	71	84	96	30
95°	45	52	60	68	73	36
105°	39	43	48	53	56	40
115°	31	33	37	40	43	31
125°	23	23	27	27	28	20
135°	16	15	16	16	17	12
145°	9	8	8	8	9	6
155°	4	4	1	3	4	2
165°	0	0	0	0	0	0
175°	0	0	0	0	0	0
180°	0	0	0	0	0	0



TEST NUMBER: P384563

CATALOG NUMBER: 14ID-25-L835-CFD3

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	764.2	764.2	764.2	764.2	764.2
2.5°	764.2	762.9	762.9	762.9	764.2
5°	760.2	760.2	761.6	761.6	762.9
7.5°	756.2	756.2	758.9	760.2	761.6
10°	749.6	750.9	754.9	757.6	760.2
12.5°	741.6	742.9	749.6	754.9	757.6
15°	730.9	733.6	742.9	748.2	752.2
17.5°	718.9	722.9	733.6	741.6	745.6
20°	704.2	709.6	722.9	733.6	738.9
22.5°	688.2	693.6	709.6	722.9	729.6
25°	669.6	677.6	694.9	710.9	717.6
27.5°	649.5	658.9	678.9	697.6	704.2
30°	628.2	638.9	661.5	681.6	689.6
32.5°	608.2	618.9	644.2	665.5	673.6
35°	584.2	597.5	624.2	648.2	657.5
37.5°	561.5	574.9	602.9	628.2	637.5
40°	537.5	550.8	580.2	608.2	617.5
42.5°	514.8	528.2	557.5	586.9	597.5
45°	489.5	504.2	533.5	562.8	574.9
47.5°	464.2	478.8	509.5	540.2	552.2
50°	438.8	454.8	484.2	514.8	528.2
52.5°	413.5	429.5	458.8	490.8	504.2
55°	388.1	405.5	432.1	464.2	480.2
57.5°	362.8	380.1	406.8	440.1	456.1
60°	333.4	353.4	380.1	414.8	433.5
62.5°	308.1	325.4	352.1	388.1	410.8
65°	282.8	298.8	322.8	362.8	388.1
67.5°	256.1	273.4	296.1	333.4	368.1
70°	230.7	245.4	268.1	306.8	345.4
72.5°	204.1	218.7	240.1	280.1	322.8
75°	177.4	192.1	210.7	252.1	301.4
77.5°	153.4	165.4	182.7	222.7	276.1
80°	126.7	138.7	154.7	190.7	242.7
82.5°	102.7	113.4	126.7	158.7	200.1
85°	81.4	92.0	102.7	128.0	156.1
87.5°	65.4	73.4	84.0	102.7	121.4
90°	52.0	61.4	70.7	84.0	96.0
92.5°	48.0	56.0	64.0	74.7	82.7
95°	45.3	52.0	60.0	68.0	73.4
97.5°	42.7	49.3	56.0	64.0	68.0
100°	41.3	46.7	53.4	60.0	62.7
102.5°	40.0	44.0	50.7	56.0	60.0
105°	38.7	42.7	48.0	53.4	56.0
107.5°	36.0	40.0	45.3	50.7	53.4
110°	34.7	37.3	42.7	46.7	50.7



TEST NUMBER: P384563

CATALOG NUMBER: 14ID-25-L835-CFD3

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	33.3	36.0	40.0	44.0	46.7
115°	30.7	33.3	37.3	40.0	42.7
117.5°	29.3	30.7	34.7	36.0	38.7
120°	26.7	28.0	32.0	33.3	34.7
122.5°	24.0	25.3	29.3	29.3	32.0
125°	22.7	22.7	26.7	26.7	28.0
127.5°	21.3	21.3	24.0	24.0	25.3
130°	18.7	18.7	21.3	21.3	21.3
132.5°	17.3	16.0	18.7	18.7	20.0
135°	16.0	14.7	16.0	16.0	17.3
137.5°	13.3	13.3	14.7	13.3	14.7
140°	12.0	10.7	12.0	12.0	13.3
142.5°	10.7	9.3	10.7	9.3	10.7
145°	9.3	8.0	8.0	8.0	9.3
147.5°	8.0	6.7	6.7	6.7	8.0
150°	6.7	5.3	5.3	5.3	6.7
152.5°	5.3	4.0	2.7	4.0	5.3
155°	4.0	4.0	1.3	2.7	4.0
157.5°	2.7	2.7	0.0	1.3	2.7
160°	1.3	1.3	0.0	1.3	1.3
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)