

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: P384565

Luminaire Tested: **14ID-25-L850-CFD3**

Issue Date: 2/25/2020

Test Information

Test Method: LM-79-08
Report Number: P384565
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-L850-CFD3
Description: 1X4 IN DEPTH TROFFER WITH 3INCH DROP CUBE LENS

Light Source: -
Ballast/Driver: -

Summary

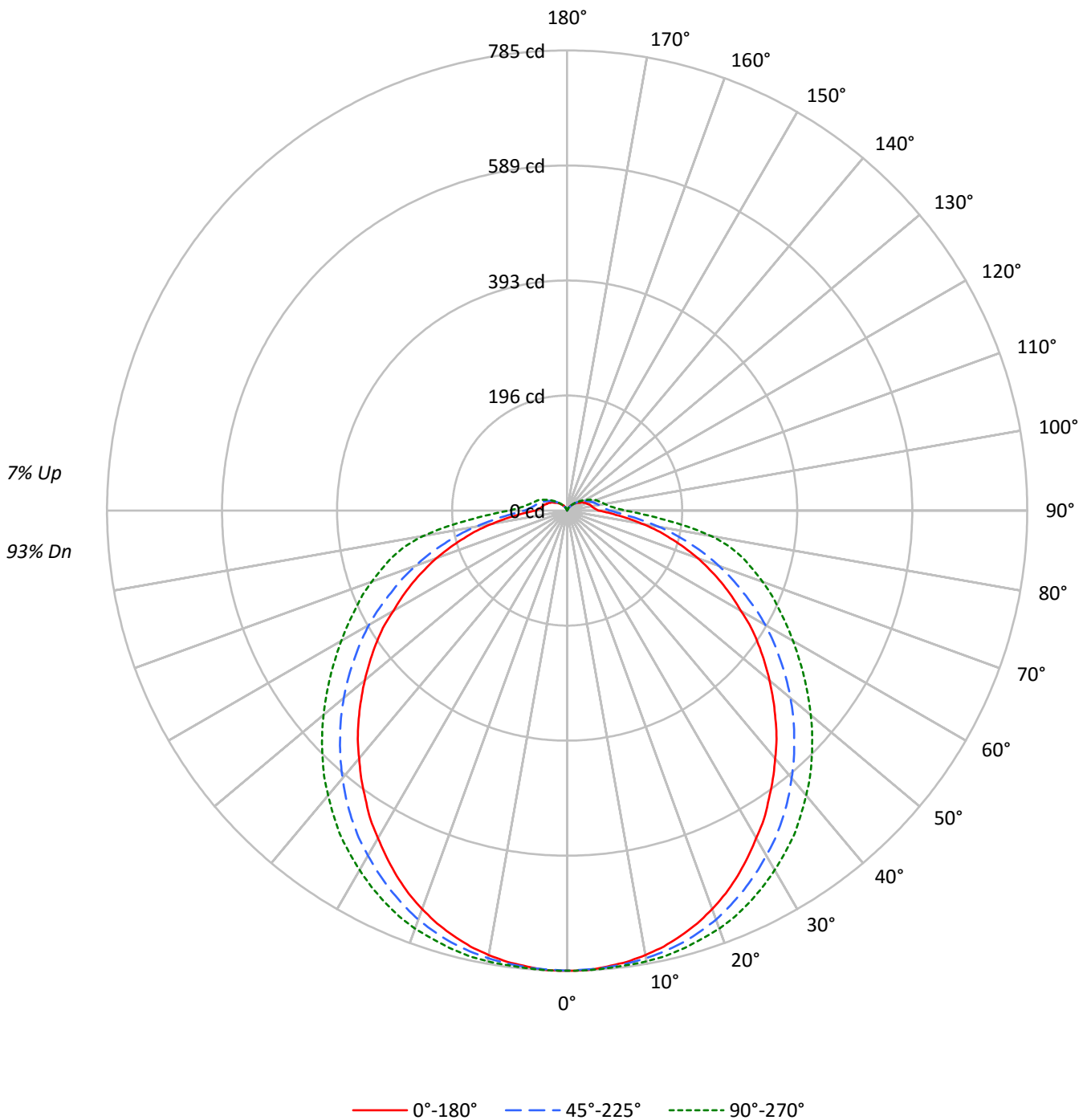
Lumens per Lamp: N/A
Luminaire Lumens: 2746.8 lumens
Efficiency: N/A
Efficacy: 134.0 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.34 / 1.41
Luminous Opening: Rectangular w/ Sides (W: 1' x L: 4' x H: 0.25')
CIE Type: Direct

Input Watts (W): 20.5
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: P384565
CATALOG NUMBER: 14ID-25-L850-CFD3

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	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°	2112	2112	2112
5°	2098	2073	2071
10°	2081	2039	2043
15°	2057	2007	2017
20°	2025	1968	1992
25°	1984	1921	1960
30°	1935	1873	1923
35°	1888	1824	1888
40°	1843	1766	1842
45°	1801	1708	1797
50°	1756	1648	1750
55°	1717	1583	1705
60°	1663	1520	1672
65°	1631	1432	1652
70°	1591	1348	1655
75°	1536	1233	1665
80°	1489	1093	1598
85°	1506	924	1283



TEST NUMBER: P384565

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	74.4	2.7
10°-20°	215.1	7.8
20°-30°	328.6	12.0
30°-40°	400.0	14.6
40°-50°	422.8	15.4
50°-60°	399.1	14.5
60°-70°	335.7	12.2
70°-80°	242.1	8.8
80°-90°	127.7	4.6
90°-100°	68.3	2.5
100°-110°	51.9	1.9
110°-120°	37.6	1.4
120°-130°	23.6	0.9
130°-140°	12.8	0.5
140°-150°	5.6	0.2
150°-160°	1.5	0.1
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	618.1	22.5
0°-40°	1018.1	37.1
0°-60°	1839.9	67.0
0°-90°	2545.4	92.7
90°-120°	157.9	5.7
90°-150°	199.8	7.3
90°-180°	201.0	7.3
0°-180°	2746.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	785	785	785	785	785	
5°	781	781	782	782	784	74
15°	751	753	763	768	773	212
25°	688	696	714	730	737	317
35°	600	614	641	666	675	376
45°	503	518	548	578	590	388
55°	399	416	444	477	493	356
65°	290	307	332	373	399	287
75°	182	197	216	259	310	193
85°	84	94	106	132	160	78
90°	53	63	73	86	99	31
95°	47	53	62	70	75	37
105°	40	44	49	55	58	42
115°	32	34	38	41	44	32
125°	23	23	27	27	29	21
135°	16	15	16	16	18	12
145°	10	8	8	8	10	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: P384565

CATALOG NUMBER: 14ID-25-L850-CFD3

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	784.9	784.9	784.9	784.9	784.9
2.5°	784.9	783.6	783.6	783.6	784.9
5°	780.8	780.8	782.2	782.2	783.6
7.5°	776.7	776.7	779.5	780.8	782.2
10°	769.9	771.2	775.3	778.1	780.8
12.5°	761.7	763.0	769.9	775.3	778.1
15°	750.7	753.4	763.0	768.5	772.6
17.5°	738.4	742.5	753.4	761.7	765.8
20°	723.3	728.8	742.5	753.4	758.9
22.5°	706.9	712.3	728.8	742.5	749.3
25°	687.7	695.9	713.7	730.1	737.0
27.5°	667.1	676.7	697.3	716.4	723.3
30°	645.2	656.2	679.5	700.0	708.2
32.5°	624.7	635.6	661.6	683.6	691.8
35°	600.0	613.7	641.1	665.8	675.3
37.5°	576.7	590.4	619.2	645.2	654.8
40°	552.1	565.8	595.9	624.7	634.3
42.5°	528.8	542.5	572.6	602.7	613.7
45°	502.7	517.8	547.9	578.1	590.4
47.5°	476.7	491.8	523.3	554.8	567.1
50°	450.7	467.1	497.3	528.8	542.5
52.5°	424.7	441.1	471.2	504.1	517.8
55°	398.6	416.4	443.8	476.7	493.2
57.5°	372.6	390.4	417.8	452.1	468.5
60°	342.5	363.0	390.4	426.0	445.2
62.5°	316.4	334.2	361.6	398.6	421.9
65°	290.4	306.9	331.5	372.6	398.6
67.5°	263.0	280.8	304.1	342.5	378.1
70°	237.0	252.1	275.3	315.1	354.8
72.5°	209.6	224.7	246.6	287.7	331.5
75°	182.2	197.3	216.4	258.9	309.6
77.5°	157.5	169.9	187.7	228.8	283.6
80°	130.1	142.5	158.9	195.9	249.3
82.5°	105.5	116.4	130.1	163.0	205.5
85°	83.6	94.5	105.5	131.5	160.3
87.5°	67.1	75.3	86.3	105.5	124.7
90°	53.4	63.0	72.6	86.3	98.6
92.5°	49.3	57.5	65.8	76.7	84.9
95°	46.6	53.4	61.6	69.9	75.3
97.5°	43.8	50.7	57.5	65.8	69.9
100°	42.5	47.9	54.8	61.6	64.4
102.5°	41.1	45.2	52.1	57.5	61.6
105°	39.7	43.8	49.3	54.8	57.5
107.5°	37.0	41.1	46.6	52.1	54.8
110°	35.6	38.4	43.8	47.9	52.1



TEST NUMBER: P384565

CATALOG NUMBER: 14ID-25-L850-CFD3

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	34.2	37.0	41.1	45.2	47.9
115°	31.5	34.2	38.4	41.1	43.8
117.5°	30.1	31.5	35.6	37.0	39.7
120°	27.4	28.8	32.9	34.2	35.6
122.5°	24.7	26.0	30.1	30.1	32.9
125°	23.3	23.3	27.4	27.4	28.8
127.5°	21.9	21.9	24.7	24.7	26.0
130°	19.2	19.2	21.9	21.9	21.9
132.5°	17.8	16.4	19.2	19.2	20.5
135°	16.4	15.1	16.4	16.4	17.8
137.5°	13.7	13.7	15.1	13.7	15.1
140°	12.3	11.0	12.3	12.3	13.7
142.5°	11.0	9.6	11.0	9.6	11.0
145°	9.6	8.2	8.2	8.2	9.6
147.5°	8.2	6.8	6.8	6.8	8.2
150°	6.8	5.5	5.5	5.5	6.8
152.5°	5.5	4.1	2.7	4.1	5.5
155°	4.1	4.1	1.4	2.7	4.1
157.5°	2.7	2.7	0.0	1.4	2.7
160°	1.4	1.4	0.0	1.4	1.4
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)