

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: P384597

Luminaire Tested: **14ID-65-L850-CFD3**

Issue Date: 2/25/2020

Test Information

Test Method: LM-79-08
Report Number: P384597
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-65-L850-CFD3
Description: 1X4 IN DEPTH TROFFER WITH 3INCH DROP CUBE LENS

Light Source: -
Ballast/Driver: -

Summary

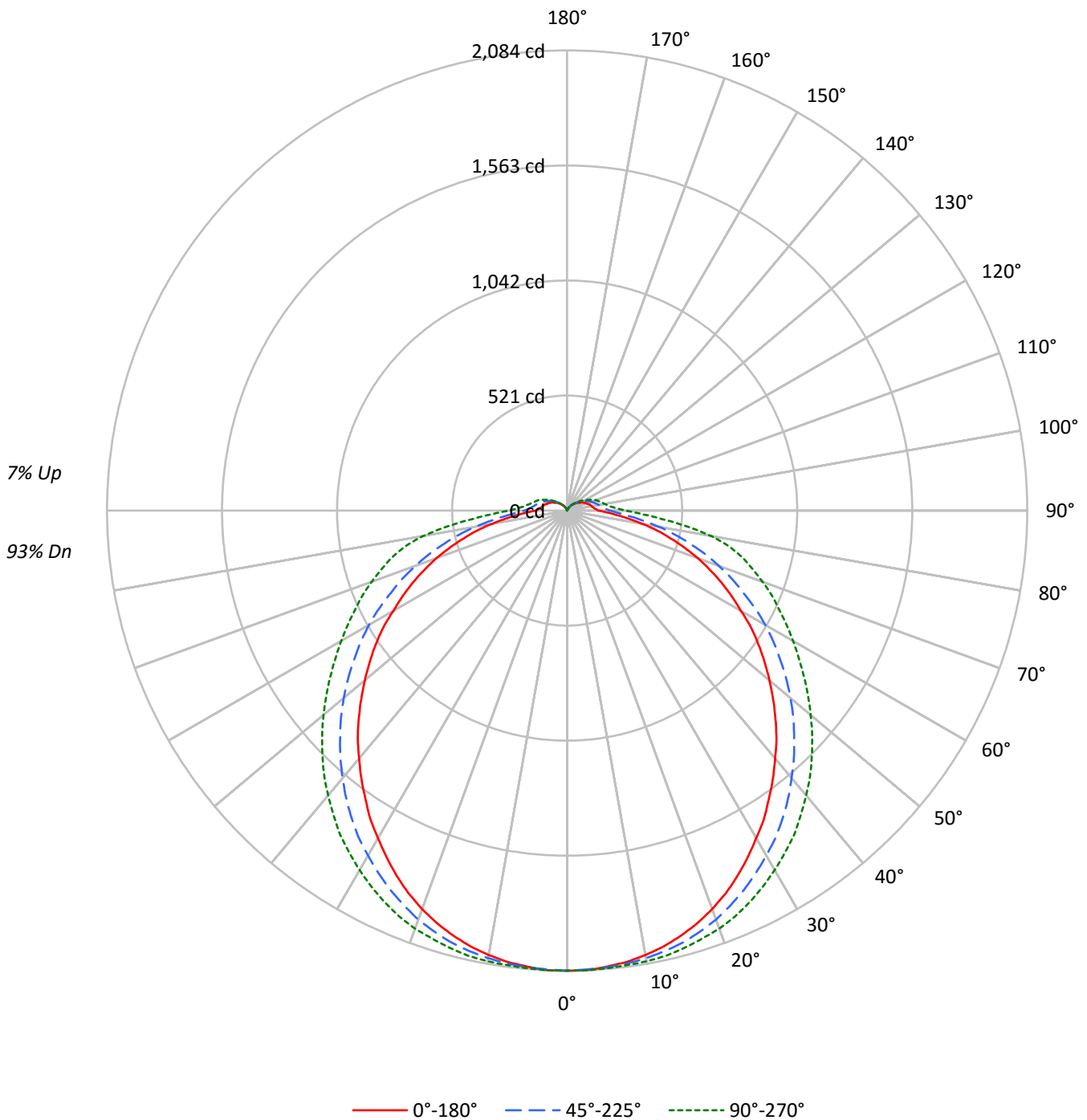
Lumens per Lamp: N/A
Luminaire Lumens: 7291.4 lumens
Efficiency: N/A
Efficacy: 124.9 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.34 / 1.41
Luminous Opening: Rectangular w/ Sides (W: 1' x L: 4' x H: 0.25')
CIE Type: Direct

Input Watts (W): 58.4
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



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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	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°	5607	5607	5607
5°	5568	5503	5498
10°	5523	5413	5425
15°	5460	5327	5355
20°	5376	5224	5288
25°	5266	5100	5202
30°	5136	4970	5105
35°	5013	4841	5012
40°	4891	4687	4889
45°	4780	4534	4772
50°	4661	4374	4645
55°	4558	4202	4526
60°	4415	4034	4438
65°	4328	3802	4386
70°	4224	3578	4393
75°	4077	3274	4420
80°	3953	2901	4242
85°	3995	2452	3406



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	197.6	2.7
10°-20°	570.9	7.8
20°-30°	872.3	12.0
30°-40°	1061.8	14.6
40°-50°	1122.3	15.4
50°-60°	1059.3	14.5
60°-70°	891.3	12.2
70°-80°	642.5	8.8
80°-90°	338.9	4.6
90°-100°	181.4	2.5
100°-110°	137.8	1.9
110°-120°	99.9	1.4
120°-130°	62.7	0.9
130°-140°	33.9	0.5
140°-150°	14.8	0.2
150°-160°	4.0	0.1
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-30°	1640.8	22.5
0°-40°	2702.5	37.1
0°-60°	4884.1	67.0
0°-90°	6756.8	92.7
90°-120°	419.1	5.7
90°-150°	530.5	7.3
90°-180°	535.0	7.3
0°-180°	7291.4	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2084	2084	2084	2084	2084	
5°	2073	2073	2076	2076	2080	197
15°	1993	2000	2025	2040	2051	562
25°	1825	1847	1894	1938	1956	841
35°	1593	1629	1702	1767	1793	997
45°	1334	1374	1454	1534	1567	1030
55°	1058	1105	1178	1265	1309	946
65°	771	814	880	989	1058	762
75°	484	524	574	687	822	513
85°	222	251	280	349	426	208
90°	142	167	193	229	262	81
95°	124	142	164	186	200	99
105°	106	116	131	146	153	110
115°	84	91	102	109	116	84
125°	62	62	73	73	76	56
135°	44	40	44	44	47	33
145°	26	22	22	22	26	16
155°	11	11	4	7	11	5
165°	0	0	0	0	0	0
175°	0	0	0	0	0	0
180°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2083.6	2083.6	2083.6	2083.6	2083.6
2.5°	2083.6	2080.0	2080.0	2080.0	2083.6
5°	2072.7	2072.7	2076.4	2076.4	2080.0
7.5°	2061.8	2061.8	2069.1	2072.7	2076.4
10°	2043.6	2047.3	2058.2	2065.4	2072.7
12.5°	2021.8	2025.4	2043.6	2058.2	2065.4
15°	1992.7	2000.0	2025.4	2040.0	2050.9
17.5°	1960.0	1970.9	2000.0	2021.8	2032.7
20°	1920.0	1934.5	1970.9	2000.0	2014.5
22.5°	1876.4	1890.9	1934.5	1970.9	1989.1
25°	1825.4	1847.3	1894.5	1938.2	1956.4
27.5°	1770.9	1796.4	1850.9	1901.8	1920.0
30°	1712.7	1741.8	1803.6	1858.2	1880.0
32.5°	1658.2	1687.3	1756.4	1814.5	1836.4
35°	1592.7	1629.1	1701.8	1767.3	1792.7
37.5°	1530.9	1567.3	1643.6	1712.7	1738.2
40°	1465.4	1501.8	1581.8	1658.2	1683.6
42.5°	1403.6	1440.0	1520.0	1600.0	1629.1
45°	1334.5	1374.5	1454.5	1534.5	1567.3
47.5°	1265.4	1305.4	1389.1	1472.7	1505.4
50°	1196.4	1240.0	1320.0	1403.6	1440.0
52.5°	1127.3	1170.9	1250.9	1338.2	1374.5
55°	1058.2	1105.4	1178.2	1265.4	1309.1
57.5°	989.1	1036.4	1109.1	1200.0	1243.6
60°	909.1	963.6	1036.4	1130.9	1181.8
62.5°	840.0	887.3	960.0	1058.2	1120.0
65°	770.9	814.5	880.0	989.1	1058.2
67.5°	698.2	745.4	807.3	909.1	1003.6
70°	629.1	669.1	730.9	836.4	941.8
72.5°	556.4	596.4	654.5	763.6	880.0
75°	483.6	523.6	574.5	687.3	821.8
77.5°	418.2	450.9	498.2	607.3	752.7
80°	345.5	378.2	421.8	520.0	661.8
82.5°	280.0	309.1	345.5	432.7	545.5
85°	221.8	250.9	280.0	349.1	425.5
87.5°	178.2	200.0	229.1	280.0	330.9
90°	141.8	167.3	192.7	229.1	261.8
92.5°	130.9	152.7	174.5	203.6	225.5
95°	123.6	141.8	163.6	185.5	200.0
97.5°	116.4	134.5	152.7	174.5	185.5
100°	112.7	127.3	145.5	163.6	170.9
102.5°	109.1	120.0	138.2	152.7	163.6
105°	105.5	116.4	130.9	145.5	152.7
107.5°	98.2	109.1	123.6	138.2	145.5
110°	94.5	101.8	116.4	127.3	138.2



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	90.9	98.2	109.1	120.0	127.3
115°	83.6	90.9	101.8	109.1	116.4
117.5°	80.0	83.6	94.5	98.2	105.5
120°	72.7	76.4	87.3	90.9	94.5
122.5°	65.5	69.1	80.0	80.0	87.3
125°	61.8	61.8	72.7	72.7	76.4
127.5°	58.2	58.2	65.5	65.5	69.1
130°	50.9	50.9	58.2	58.2	58.2
132.5°	47.3	43.6	50.9	50.9	54.5
135°	43.6	40.0	43.6	43.6	47.3
137.5°	36.4	36.4	40.0	36.4	40.0
140°	32.7	29.1	32.7	32.7	36.4
142.5°	29.1	25.5	29.1	25.5	29.1
145°	25.5	21.8	21.8	21.8	25.5
147.5°	21.8	18.2	18.2	18.2	21.8
150°	18.2	14.5	14.5	14.5	18.2
152.5°	14.5	10.9	7.3	10.9	14.5
155°	10.9	10.9	3.6	7.3	10.9
157.5°	7.3	7.3	0.0	3.6	7.3
160°	3.6	3.6	0.0	3.6	3.6
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)