

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: P384257

Luminaire Tested: **14ID-60-L850-CFD2**

Issue Date: 2/25/2020

Test Information

Test Method: LM-79-08
Report Number: P384257
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: 14ID-60-L850-CFD2
Description: 1X4 IN DEPTH TROFFER WITH 2INCH DROP CUBE LENS

Light Source: -
Ballast/Driver: -

Summary

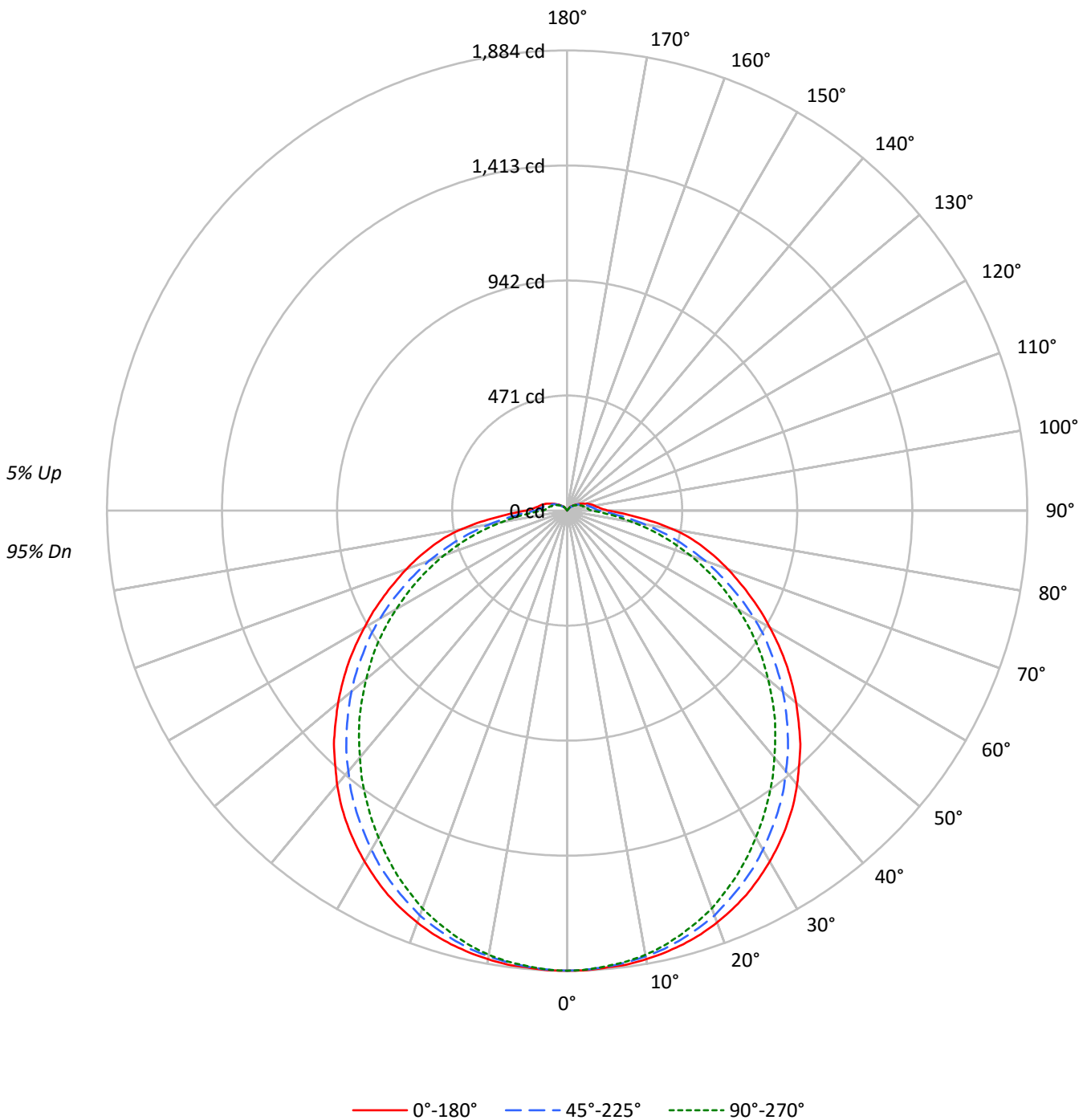
Lumens per Lamp: N/A
Luminaire Lumens: 6110.7 lumens
Efficiency: N/A
Efficacy: 114.6 lumens/watt
Spacing Criteria (0/90/45): 1.31 / 1.22 / 1.38
Luminous Opening: Rectangular w/ Sides (W: 1' x L: 4' x H: 0.17')
CIE Type: Direct

Input Watts (W): 53.3
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: P384257
CATALOG NUMBER: 14ID-60-L850-CFD2

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°	5070	5070	5070
5°	5054	5000	4983
10°	5060	4936	4903
15°	5063	4868	4794
20°	5062	4794	4679
25°	5056	4695	4536
30°	5034	4592	4379
35°	5010	4481	4227
40°	4971	4358	4067
45°	4934	4234	3923
50°	4883	4107	3748
55°	4847	3956	3587
60°	4814	3795	3374
65°	4830	3581	3153
70°	4942	3368	2895
75°	5188	3082	2570
80°	5527	2708	2162
85°	5804	2341	1770



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	178.3	2.9
10°-20°	512.7	8.4
20°-30°	778.8	12.7
30°-40°	940.7	15.4
40°-50°	984.6	16.1
50°-60°	913.6	15.0
60°-70°	740.0	12.1
70°-80°	499.4	8.2
80°-90°	241.3	3.9
90°-100°	121.4	2.0
100°-110°	88.2	1.4
110°-120°	59.0	1.0
120°-130°	34.2	0.6
130°-140°	17.2	0.3
140°-150°	1.3	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	1469.9	24.1
0°-40°	2410.6	39.4
0°-60°	4308.7	70.5
0°-90°	5789.4	94.7
90°-120°	268.6	4.4
90°-150°	321.3	5.3
90°-180°	321.0	5.3
0°-180°	6110.7	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1884	1884	1884	1884	1884	
5°	1878	1875	1875	1872	1872	179
15°	1838	1828	1816	1804	1798	519
25°	1736	1721	1690	1659	1647	800
35°	1570	1548	1505	1458	1437	982
45°	1351	1326	1277	1224	1203	1040
55°	1095	1070	1021	971	947	978
65°	826	796	740	700	672	820
75°	577	518	459	426	401	607
85°	278	240	204	185	166	262
90°	166	151	130	117	99	95
95°	133	123	111	99	86	104
105°	99	92	83	74	68	105
115°	68	62	62	52	52	68
125°	43	37	40	34	37	38
135°	25	22	22	22	25	19
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



TEST NUMBER: P384257

CATALOG NUMBER: 14ID-60-L850-CFD2

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1884.0	1884.0	1884.0	1884.0	1884.0
2.5°	1884.0	1881.0	1881.0	1881.0	1881.0
5°	1877.9	1874.8	1874.8	1871.7	1871.7
7.5°	1874.8	1868.6	1865.5	1862.5	1862.5
10°	1865.5	1859.4	1853.2	1847.0	1847.0
12.5°	1853.2	1847.0	1837.8	1825.5	1825.5
15°	1837.8	1828.5	1816.2	1803.9	1797.7
17.5°	1819.3	1810.0	1791.5	1773.0	1766.9
20°	1794.6	1782.3	1763.8	1739.1	1733.0
22.5°	1766.9	1754.5	1726.8	1702.1	1689.8
25°	1736.0	1720.6	1689.8	1658.9	1646.6
27.5°	1699.0	1683.6	1649.7	1612.7	1597.3
30°	1658.9	1640.4	1603.4	1563.4	1544.9
32.5°	1615.8	1594.2	1554.1	1510.9	1492.4
35°	1569.5	1547.9	1504.8	1458.5	1436.9
37.5°	1520.2	1498.6	1452.3	1403.0	1381.4
40°	1464.7	1443.1	1393.8	1344.4	1319.8
42.5°	1406.1	1387.6	1338.3	1285.8	1261.2
45°	1350.6	1325.9	1276.6	1224.2	1202.6
47.5°	1285.8	1267.3	1214.9	1162.5	1137.8
50°	1224.2	1202.6	1153.2	1100.8	1073.1
52.5°	1159.4	1140.9	1088.5	1036.1	1011.4
55°	1094.7	1070.0	1020.7	971.3	946.6
57.5°	1026.8	1005.2	955.9	909.6	878.8
60°	959.0	937.4	885.0	841.8	807.9
62.5°	894.2	869.6	814.1	767.8	740.0
65°	826.4	795.6	740.0	700.0	672.2
67.5°	761.6	724.6	669.1	632.1	604.4
70°	700.0	656.8	601.3	564.3	536.5
72.5°	638.3	585.9	527.3	493.4	468.7
75°	576.6	518.0	459.4	425.5	400.9
77.5°	515.0	447.1	388.5	360.8	336.1
80°	440.9	376.2	320.7	296.0	271.4
82.5°	357.7	305.3	259.0	234.3	215.8
85°	277.5	240.5	203.5	185.0	166.5
87.5°	215.8	188.1	160.3	144.9	129.5
90°	166.5	151.1	129.5	117.2	98.7
92.5°	144.9	132.6	117.2	104.8	89.4
95°	132.6	123.3	111.0	98.7	86.3
97.5°	120.3	114.1	101.8	92.5	80.2
100°	114.1	104.8	95.6	86.3	77.1
102.5°	107.9	98.7	89.4	80.2	74.0
105°	98.7	92.5	83.3	74.0	67.8
107.5°	92.5	83.3	77.1	67.8	64.8
110°	83.3	77.1	70.9	64.8	61.7



TEST NUMBER: P384257

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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	74.0	70.9	64.8	58.6	55.5
115°	67.8	61.7	61.7	52.4	52.4
117.5°	61.7	55.5	55.5	49.3	49.3
120°	52.4	49.3	49.3	43.2	43.2
122.5°	46.3	43.2	43.2	40.1	40.1
125°	43.2	37.0	40.1	33.9	37.0
127.5°	37.0	33.9	33.9	30.8	33.9
130°	30.8	27.8	27.8	27.8	30.8
132.5°	27.8	24.7	24.7	24.7	27.8
135°	24.7	21.6	21.6	21.6	24.7
137.5°	21.6	18.5	15.4	18.5	21.6
140°	18.5	15.4	12.3	15.4	18.5
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)