

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: P384269

Luminaire Tested: **14ID-75-L850-CFD2**

Issue Date: 2/25/2020

Test Information

Test Method: LM-79-08
Report Number: P384269
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-75-L850-CFD2
Description: 1X4 IN DEPTH TROFFER WITH 2INCH DROP CUBE LENS

Light Source: -
Ballast/Driver: -

Summary

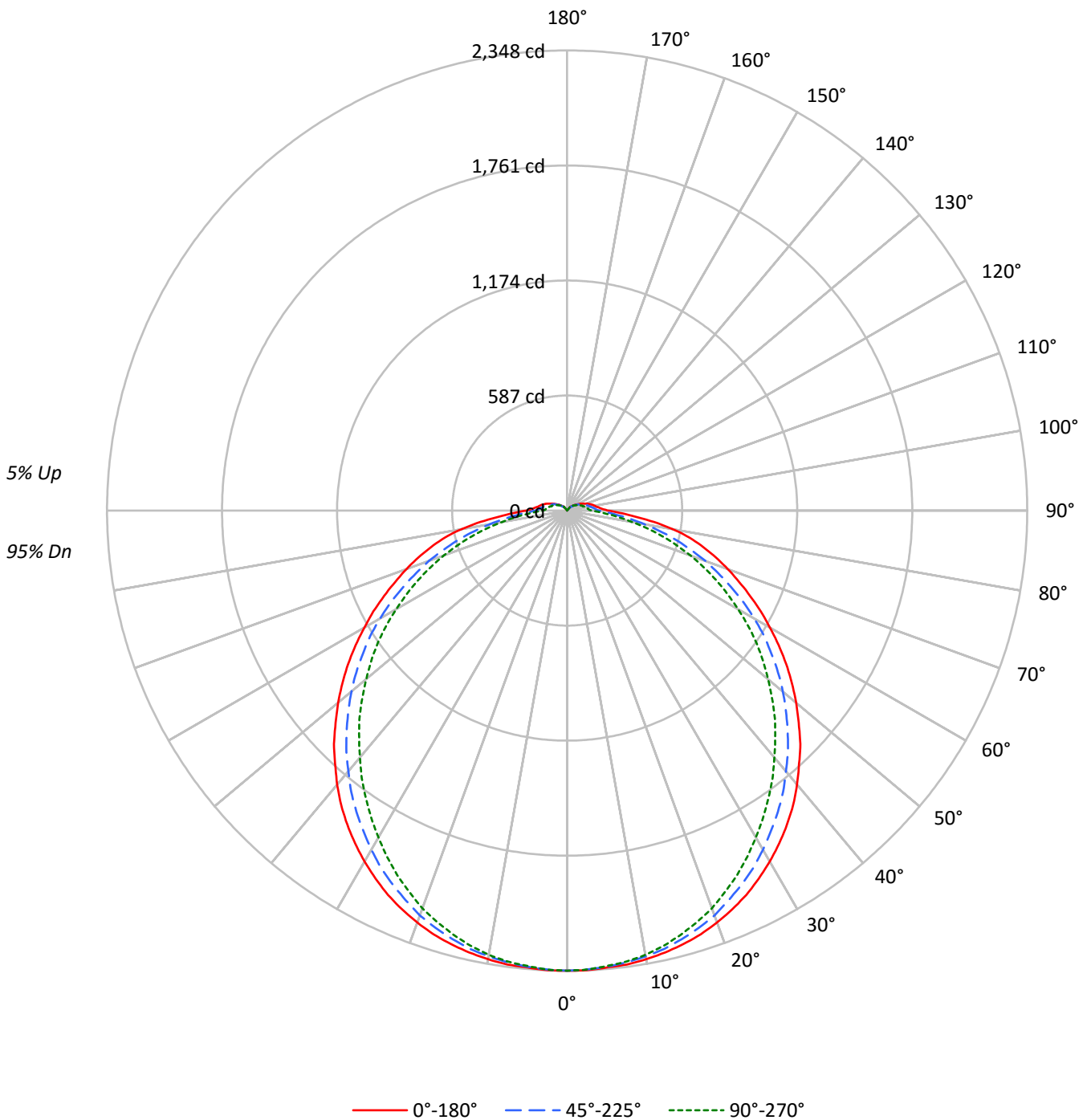
Lumens per Lamp: N/A
Luminaire Lumens: 7615.3 lumens
Efficiency: N/A
Efficacy: 107.4 lumens/watt
Spacing Criteria (0/90/45): 1.31 / 1.22 / 1.38
Luminous Opening: Rectangular w/ Sides (W: 1' x L: 4' x H: 0.17')
CIE Type: Direct

Input Watts (W): 70.9
Input Voltage (V): NR
Input Current (Ain): 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	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°	6318	6318	6318
5°	6299	6231	6210
10°	6306	6151	6110
15°	6310	6066	5974
20°	6309	5974	5831
25°	6301	5851	5653
30°	6273	5722	5457
35°	6243	5584	5268
40°	6195	5430	5069
45°	6149	5277	4889
50°	6085	5118	4671
55°	6041	4930	4471
60°	5999	4729	4205
65°	6020	4463	3929
70°	6158	4197	3608
75°	6466	3841	3202
80°	6888	3374	2694
85°	7234	2917	2205



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	222.2	2.9
10°-20°	639.0	8.4
20°-30°	970.6	12.7
30°-40°	1172.3	15.4
40°-50°	1227.0	16.1
50°-60°	1138.5	15.0
60°-70°	922.2	12.1
70°-80°	622.3	8.2
80°-90°	300.7	3.9
90°-100°	151.3	2.0
100°-110°	110.0	1.4
110°-120°	73.5	1.0
120°-130°	42.6	0.6
130°-140°	21.5	0.3
140°-150°	1.6	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	1831.8	24.1
0°-40°	3004.1	39.4
0°-60°	5369.7	70.5
0°-90°	7214.9	94.7
90°-120°	334.7	4.4
90°-150°	400.4	5.3
90°-180°	400.0	5.3
0°-180°	7615.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2348	2348	2348	2348	2348	
5°	2340	2336	2336	2333	2333	223
15°	2290	2279	2263	2248	2240	647
25°	2164	2144	2106	2067	2052	997
35°	1956	1929	1875	1818	1791	1224
45°	1683	1652	1591	1526	1499	1297
55°	1364	1333	1272	1210	1180	1219
65°	1030	991	922	872	838	1022
75°	719	646	573	530	500	757
85°	346	300	254	231	208	327
90°	208	188	161	146	123	118
95°	165	154	138	123	108	130
105°	123	115	104	92	84	131
115°	84	77	77	65	65	84
125°	54	46	50	42	46	47
135°	31	27	27	27	31	24
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



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2347.9	2347.9	2347.9	2347.9	2347.9
2.5°	2347.9	2344.1	2344.1	2344.1	2344.1
5°	2340.3	2336.4	2336.4	2332.6	2332.6
7.5°	2336.4	2328.7	2324.9	2321.0	2321.0
10°	2324.9	2317.2	2309.5	2301.8	2301.8
12.5°	2309.5	2301.8	2290.3	2274.9	2274.9
15°	2290.3	2278.8	2263.4	2248.0	2240.3
17.5°	2267.2	2255.7	2232.7	2209.6	2201.9
20°	2236.5	2221.1	2198.1	2167.3	2159.6
22.5°	2201.9	2186.5	2152.0	2121.2	2105.8
25°	2163.5	2144.3	2105.8	2067.4	2052.0
27.5°	2117.4	2098.2	2055.9	2009.8	1990.6
30°	2067.4	2044.4	1998.2	1948.3	1925.2
32.5°	2013.6	1986.7	1936.8	1883.0	1859.9
35°	1956.0	1929.1	1875.3	1817.6	1790.7
37.5°	1894.5	1867.6	1810.0	1748.5	1721.6
40°	1825.3	1798.4	1736.9	1675.5	1644.7
42.5°	1752.3	1729.3	1667.8	1602.4	1571.7
45°	1683.1	1652.4	1590.9	1525.6	1498.7
47.5°	1602.4	1579.4	1514.1	1448.7	1418.0
50°	1525.6	1498.7	1437.2	1371.9	1337.3
52.5°	1444.9	1421.8	1356.5	1291.2	1260.4
55°	1364.2	1333.4	1272.0	1210.5	1179.7
57.5°	1279.6	1252.7	1191.3	1133.6	1095.2
60°	1195.1	1168.2	1102.9	1049.1	1006.8
62.5°	1114.4	1083.7	1014.5	956.9	922.3
65°	1029.9	991.4	922.3	872.3	837.7
67.5°	949.2	903.1	833.9	787.8	753.2
70°	872.3	818.5	749.3	703.2	668.6
72.5°	795.5	730.1	657.1	614.8	584.1
75°	718.6	645.6	572.6	530.3	499.6
77.5°	641.7	557.2	484.2	449.6	418.9
80°	549.5	468.8	399.6	368.9	338.2
82.5°	445.8	380.4	322.8	292.1	269.0
85°	345.9	299.7	253.6	230.6	207.5
87.5°	269.0	234.4	199.8	180.6	161.4
90°	207.5	188.3	161.4	146.0	123.0
92.5°	180.6	165.2	146.0	130.7	111.4
95°	165.2	153.7	138.3	123.0	107.6
97.5°	149.9	142.2	126.8	115.3	99.9
100°	142.2	130.7	119.1	107.6	96.1
102.5°	134.5	123.0	111.4	99.9	92.2
105°	123.0	115.3	103.8	92.2	84.5
107.5°	115.3	103.8	96.1	84.5	80.7
110°	103.8	96.1	88.4	80.7	76.9



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	92.2	88.4	80.7	73.0	69.2
115°	84.5	76.9	76.9	65.3	65.3
117.5°	76.9	69.2	69.2	61.5	61.5
120°	65.3	61.5	61.5	53.8	53.8
122.5°	57.6	53.8	53.8	50.0	50.0
125°	53.8	46.1	50.0	42.3	46.1
127.5°	46.1	42.3	42.3	38.4	42.3
130°	38.4	34.6	34.6	34.6	38.4
132.5°	34.6	30.7	30.7	30.7	34.6
135°	30.7	26.9	26.9	26.9	30.7
137.5°	26.9	23.1	19.2	23.1	26.9
140°	23.1	19.2	15.4	19.2	23.1
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)