

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: P384268

Luminaire Tested: **14ID-75-L840-CFD2**

Issue Date: 2/25/2020

Test Information

Test Method: LM-79-08
Report Number: P384268
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-L840-CFD2
Description: 1X4 IN DEPTH TROFFER WITH 2INCH DROP CUBE LENS

Light Source: -
Ballast/Driver: -

Summary

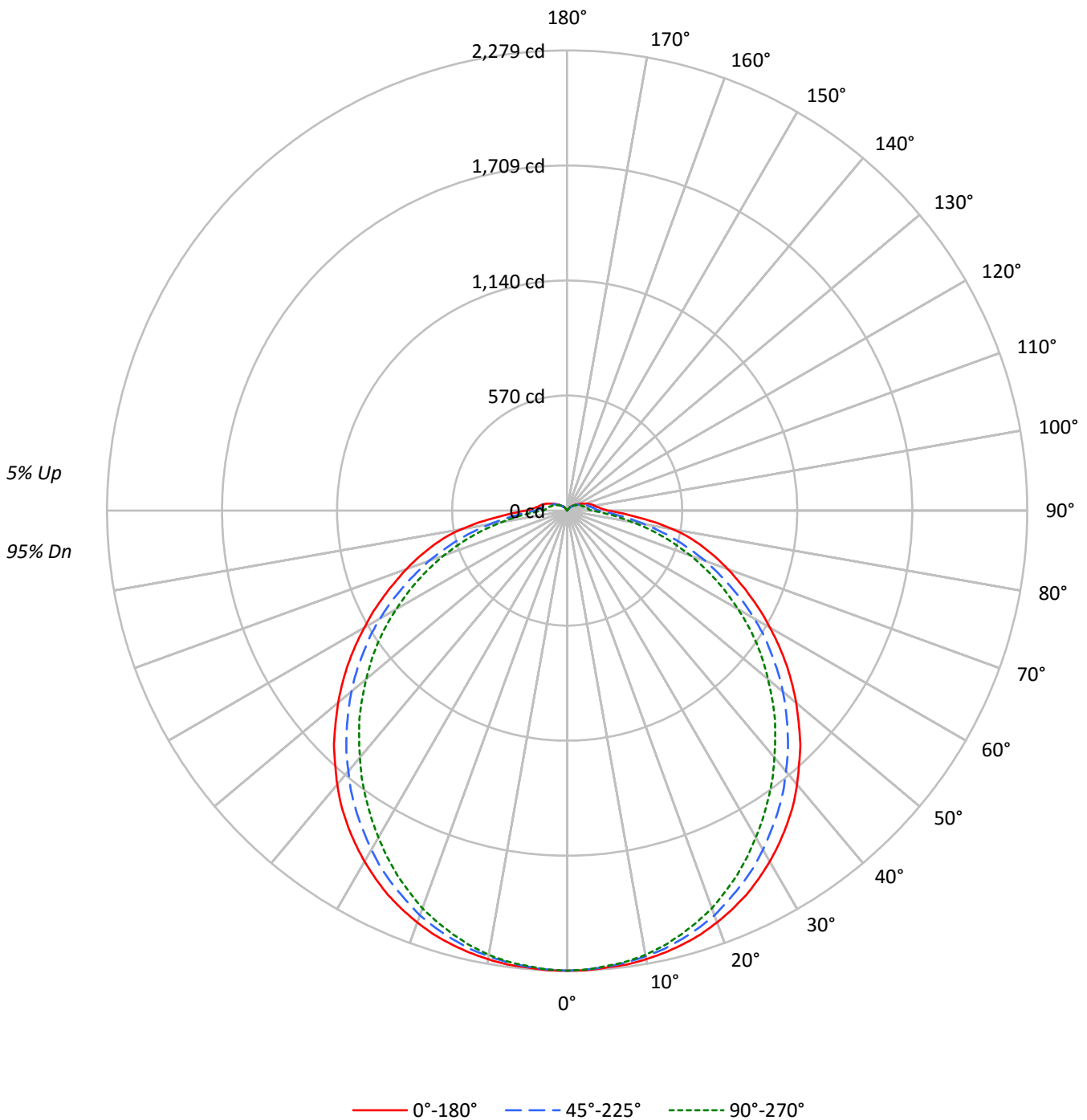
Lumens per Lamp: N/A
Luminaire Lumens: 7391.3 lumens
Efficiency: N/A
Efficacy: 104.2 lumens/watt
Spacing Criteria (0/90/45): 1.31 / 1.22 / 1.38
Luminous Opening: Rectangular w/ Sides (W: 1' x L: 4' x H: 0.17')
CIE Type: Direct

Input Watts (W): 70.9
Input Voltage (V): NR
Input Current (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	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°	6132	6132	6132
5°	6113	6048	6028
10°	6121	5970	5930
15°	6124	5888	5799
20°	6123	5798	5659
25°	6116	5679	5487
30°	6089	5554	5297
35°	6060	5420	5113
40°	6013	5270	4920
45°	5968	5122	4745
50°	5906	4968	4533
55°	5863	4785	4339
60°	5823	4590	4081
65°	5843	4331	3814
70°	5977	4074	3502
75°	6276	3728	3108
80°	6686	3275	2615
85°	7021	2832	2141



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	215.7	2.9
10°-20°	620.2	8.4
20°-30°	942.0	12.7
30°-40°	1137.8	15.4
40°-50°	1190.9	16.1
50°-60°	1105.1	15.0
60°-70°	895.1	12.1
70°-80°	604.0	8.2
80°-90°	291.8	3.9
90°-100°	146.8	2.0
100°-110°	106.7	1.4
110°-120°	71.3	1.0
120°-130°	41.3	0.6
130°-140°	20.8	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°	1777.9	24.1
0°-40°	2915.7	39.4
0°-60°	5211.7	70.5
0°-90°	7002.7	94.7
90°-120°	324.9	4.4
90°-150°	388.6	5.3
90°-180°	389.0	5.3
0°-180°	7391.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2279	2279	2279	2279	2279	
5°	2271	2268	2268	2264	2264	216
15°	2223	2212	2197	2182	2174	628
25°	2100	2081	2044	2007	1992	968
35°	1898	1872	1820	1764	1738	1188
45°	1634	1604	1544	1481	1455	1258
55°	1324	1294	1234	1175	1145	1183
65°	1000	962	895	847	813	992
75°	698	627	556	515	485	735
85°	336	291	246	224	201	317
90°	201	183	157	142	119	115
95°	160	149	134	119	104	126
105°	119	112	101	90	82	127
115°	82	75	75	63	63	82
125°	52	45	48	41	45	46
135°	30	26	26	26	30	23
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°	2278.9	2278.9	2278.9	2278.9	2278.9
2.5°	2278.9	2275.1	2275.1	2275.1	2275.1
5°	2271.4	2267.7	2267.7	2264.0	2264.0
7.5°	2267.7	2260.2	2256.5	2252.8	2252.8
10°	2256.5	2249.0	2241.6	2234.1	2234.1
12.5°	2241.6	2234.1	2222.9	2208.0	2208.0
15°	2222.9	2211.7	2196.8	2181.9	2174.4
17.5°	2200.6	2189.4	2167.0	2144.6	2137.1
20°	2170.7	2155.8	2133.4	2103.6	2096.1
22.5°	2137.1	2122.2	2088.7	2058.8	2043.9
25°	2099.8	2081.2	2043.9	2006.6	1991.7
27.5°	2055.1	2036.4	1995.4	1950.7	1932.0
30°	2006.6	1984.2	1939.5	1891.0	1868.6
32.5°	1954.4	1928.3	1879.8	1827.6	1805.2
35°	1898.4	1872.3	1820.1	1764.2	1738.1
37.5°	1838.8	1812.7	1756.7	1697.0	1670.9
40°	1771.6	1745.5	1685.8	1626.2	1596.3
42.5°	1700.8	1678.4	1618.7	1555.3	1525.5
45°	1633.6	1603.8	1544.1	1480.7	1454.6
47.5°	1555.3	1532.9	1469.5	1406.1	1376.3
50°	1480.7	1454.6	1394.9	1331.5	1298.0
52.5°	1402.4	1380.0	1316.6	1253.2	1223.4
55°	1324.1	1294.2	1234.5	1174.9	1145.0
57.5°	1242.0	1215.9	1156.2	1100.3	1063.0
60°	1160.0	1133.8	1070.4	1018.2	977.2
62.5°	1081.6	1051.8	984.7	928.7	895.1
65°	999.6	962.3	895.1	846.7	813.1
67.5°	921.2	876.5	809.4	764.6	731.0
70°	846.7	794.4	727.3	682.5	649.0
72.5°	772.1	708.7	637.8	596.8	566.9
75°	697.5	626.6	555.7	514.7	484.9
77.5°	622.9	540.8	469.9	436.4	406.5
80°	533.4	455.0	387.9	358.1	328.2
82.5°	432.7	369.2	313.3	283.5	261.1
85°	335.7	290.9	246.2	223.8	201.4
87.5°	261.1	227.5	193.9	175.3	156.6
90°	201.4	182.8	156.6	141.7	119.4
92.5°	175.3	160.4	141.7	126.8	108.2
95°	160.4	149.2	134.3	119.4	104.4
97.5°	145.5	138.0	123.1	111.9	97.0
100°	138.0	126.8	115.6	104.4	93.2
102.5°	130.5	119.4	108.2	97.0	89.5
105°	119.4	111.9	100.7	89.5	82.1
107.5°	111.9	100.7	93.2	82.1	78.3
110°	100.7	93.2	85.8	78.3	74.6



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	89.5	85.8	78.3	70.9	67.1
115°	82.1	74.6	74.6	63.4	63.4
117.5°	74.6	67.1	67.1	59.7	59.7
120°	63.4	59.7	59.7	52.2	52.2
122.5°	55.9	52.2	52.2	48.5	48.5
125°	52.2	44.8	48.5	41.0	44.8
127.5°	44.8	41.0	41.0	37.3	41.0
130°	37.3	33.6	33.6	33.6	37.3
132.5°	33.6	29.8	29.8	29.8	33.6
135°	29.8	26.1	26.1	26.1	29.8
137.5°	26.1	22.4	18.6	22.4	26.1
140°	22.4	18.6	14.9	18.6	22.4
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)