

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: P384088

Luminaire Tested: **14ID-60-L840-CFD1**

Issue Date: 2/25/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P384088  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1911-572-67)  
Test Lab: INNOVATION CENTER (G2)  
Issue Date: 2/25/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: 14ID-60-L840-CFD1  
Description: 1X4 IN DEPTH TROFFER WITH 1INCH DROP CUBE LENS

Light Source: -  
Ballast/Driver: -

**Summary**

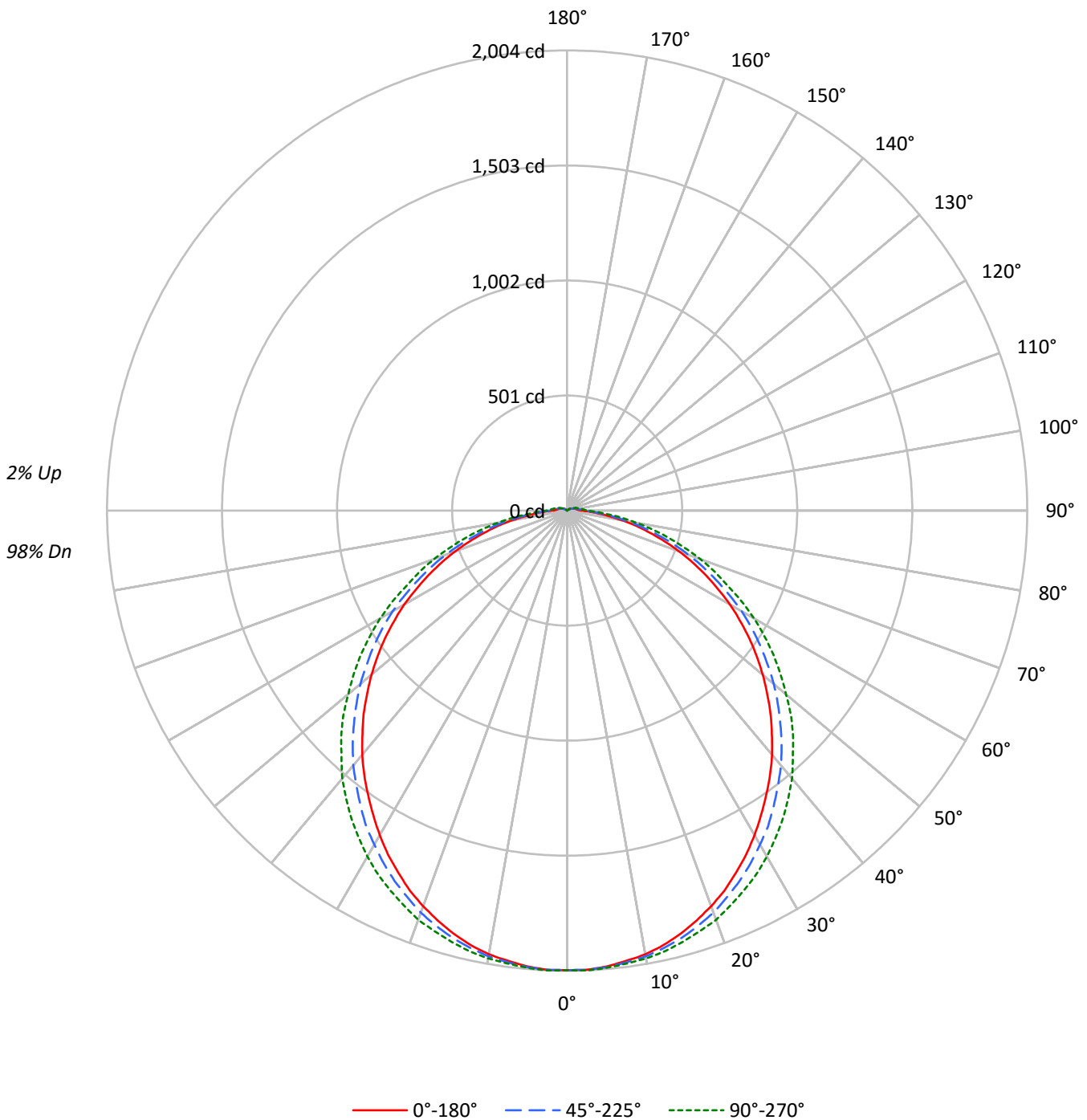
Lumens per Lamp: N/A  
Luminaire Lumens: 5927.8 lumens  
Efficiency: N/A  
Efficacy: 111.2 lumens/watt  
Spacing Criteria (0/90/45): 1.21 / 1.29 / 1.37  
Luminous Opening: Rectangular w/ Sides (W: 1' x L: 4' x H: 0.08')  
CIE Type: Direct

Input Watts (W): 53.3  
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	119	119	119	119	116	116	116	116	110	110	110	105	105	105	100	100	100	98
1	108	103	98	94	105	100	96	92	96	92	89	91	88	86	87	85	83	81
2	98	89	82	76	95	87	81	75	83	78	73	80	75	71	76	73	69	67
3	89	78	70	63	86	76	69	63	73	67	61	70	64	60	67	62	58	56
4	81	69	60	53	79	68	59	53	65	58	52	62	56	51	60	55	50	48
5	75	62	53	46	73	61	52	46	58	51	45	56	49	44	54	48	44	41
6	69	56	47	40	67	55	46	40	52	45	39	51	44	39	49	43	38	36
7	64	50	42	35	62	49	41	35	48	40	35	46	39	34	45	39	34	32
8	60	46	37	32	58	45	37	31	44	36	31	42	36	31	41	35	30	28
9	56	42	34	28	54	41	34	28	40	33	28	39	32	28	38	32	27	26
10	52	39	31	26	51	38	31	26	37	30	25	36	30	25	35	29	25	23

**AVERAGE LUMINANCE (cd/sqm):**

	0°	45°	90°
0°	5386	5386	5386
5°	5372	5356	5359
10°	5343	5318	5333
15°	5287	5263	5299
20°	5210	5197	5271
25°	5117	5107	5214
30°	5011	5007	5159
35°	4894	4901	5084
40°	4793	4792	5003
45°	4672	4655	4888
50°	4542	4523	4738
55°	4409	4363	4599
60°	4262	4189	4424
65°	4067	3934	4156
70°	3847	3678	3945
75°	3596	3333	3623
80°	3332	2924	3226
85°	3222	2520	2757



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	189.6	3.2
10°-20°	543.4	9.2
20°-30°	820.4	13.8
30°-40°	983.0	16.6
40°-50°	1016.3	17.1
50°-60°	920.3	15.5
60°-70°	712.1	12.0
70°-80°	437.5	7.4
80°-90°	173.8	2.9
90°-100°	63.4	1.1
100°-110°	39.0	0.7
110°-120°	20.0	0.3
120°-130°	8.5	0.1
130°-140°	0.6	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	1553.3	26.2
0°-40°	2536.3	42.8
0°-60°	4472.8	75.5
0°-90°	5796.3	97.8
90°-120°	122.4	2.1
90°-150°	131.5	2.2
90°-180°	132.0	2.2
0°-180°	5927.8	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	2002	2002	2002	2002	2002	
5°	1992	1992	1996	1996	1998	189
15°	1908	1911	1926	1938	1944	538
25°	1740	1752	1779	1809	1824	802
35°	1512	1530	1569	1611	1638	946
45°	1253	1268	1313	1367	1391	966
55°	968	989	1028	1073	1097	865
65°	667	682	715	751	769	660
75°	373	391	409	436	457	397
85°	129	138	150	165	174	129
90°	60	69	75	84	90	35
95°	45	51	57	63	69	36
105°	33	33	36	39	42	35
115°	21	18	18	21	24	21
125°	12	9	6	9	12	11
135°	0	0	0	0	0	1
145°	0	0	0	0	0	0
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°	2001.5	2001.5	2001.5	2001.5	2001.5
2.5°	2001.5	1998.5	2001.5	2001.5	2004.5
5°	1992.5	1992.5	1995.5	1995.5	1998.5
7.5°	1977.5	1977.5	1983.5	1986.5	1989.5
10°	1962.4	1962.4	1971.4	1974.5	1980.5
12.5°	1938.4	1941.4	1950.4	1959.4	1965.4
15°	1908.3	1911.3	1926.4	1938.4	1944.4
17.5°	1872.3	1878.3	1896.3	1914.3	1920.4
20°	1833.2	1842.2	1863.3	1884.3	1896.3
22.5°	1791.1	1797.1	1821.2	1848.2	1860.3
25°	1740.0	1752.1	1779.1	1809.2	1824.2
27.5°	1689.0	1701.0	1731.0	1767.1	1785.1
30°	1631.9	1643.9	1679.9	1719.0	1740.0
32.5°	1571.7	1586.8	1628.8	1667.9	1689.0
35°	1511.6	1529.7	1568.7	1610.8	1637.9
37.5°	1451.5	1466.6	1508.6	1553.7	1580.8
40°	1388.4	1403.5	1448.5	1493.6	1523.7
42.5°	1319.3	1337.3	1382.4	1430.5	1454.5
45°	1253.2	1268.2	1313.3	1367.4	1391.4
47.5°	1181.1	1202.1	1244.2	1295.3	1322.3
50°	1111.9	1130.0	1175.1	1223.1	1244.2
52.5°	1039.8	1057.8	1099.9	1148.0	1172.0
55°	967.7	988.7	1027.8	1072.9	1096.9
57.5°	892.6	913.6	952.7	991.7	1018.8
60°	820.4	841.5	877.5	916.6	940.6
62.5°	739.3	757.3	796.4	838.5	856.5
65°	667.2	682.2	715.3	751.3	769.3
67.5°	592.0	610.1	640.1	673.2	694.2
70°	516.9	537.9	562.0	592.0	616.1
72.5°	444.8	462.8	483.8	513.9	534.9
75°	372.7	390.7	408.7	435.8	456.8
77.5°	309.5	318.6	336.6	360.6	381.7
80°	240.4	252.4	267.5	291.5	306.5
82.5°	180.3	192.3	204.4	222.4	237.4
85°	129.2	138.2	150.3	165.3	174.3
87.5°	87.2	96.2	105.2	117.2	126.2
90°	60.1	69.1	75.1	84.1	90.2
92.5°	51.1	57.1	63.1	69.1	75.1
95°	45.1	51.1	57.1	63.1	69.1
97.5°	42.1	45.1	51.1	57.1	60.1
100°	39.1	42.1	45.1	51.1	54.1
102.5°	36.1	36.1	42.1	45.1	48.1
105°	33.1	33.1	36.1	39.1	42.1
107.5°	30.1	30.1	33.1	33.1	39.1
110°	27.0	24.0	27.0	27.0	33.1



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	24.0	21.0	24.0	24.0	27.0
115°	21.0	18.0	18.0	21.0	24.0
117.5°	18.0	15.0	15.0	15.0	21.0
120°	18.0	15.0	12.0	12.0	18.0
122.5°	15.0	12.0	9.0	12.0	15.0
125°	12.0	9.0	6.0	9.0	12.0
127.5°	9.0	9.0	3.0	6.0	9.0
130°	9.0	6.0	3.0	6.0	6.0
132.5°	0.0	0.0	0.0	0.0	0.0
135°	0.0	0.0	0.0	0.0	0.0
137.5°	0.0	0.0	0.0	0.0	0.0
140°	0.0	0.0	0.0	0.0	0.0
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)