

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: P384312

Luminaire Tested: **22ID-60-L840-CFD2**

Issue Date: 2/25/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P384312  
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: 22ID-60-L840-CFD2  
Description: 2X2 IN DEPTH TROFFER WITH 2INCH DROP CUBE LENS

Light Source: -  
Ballast/Driver: -

**Summary**

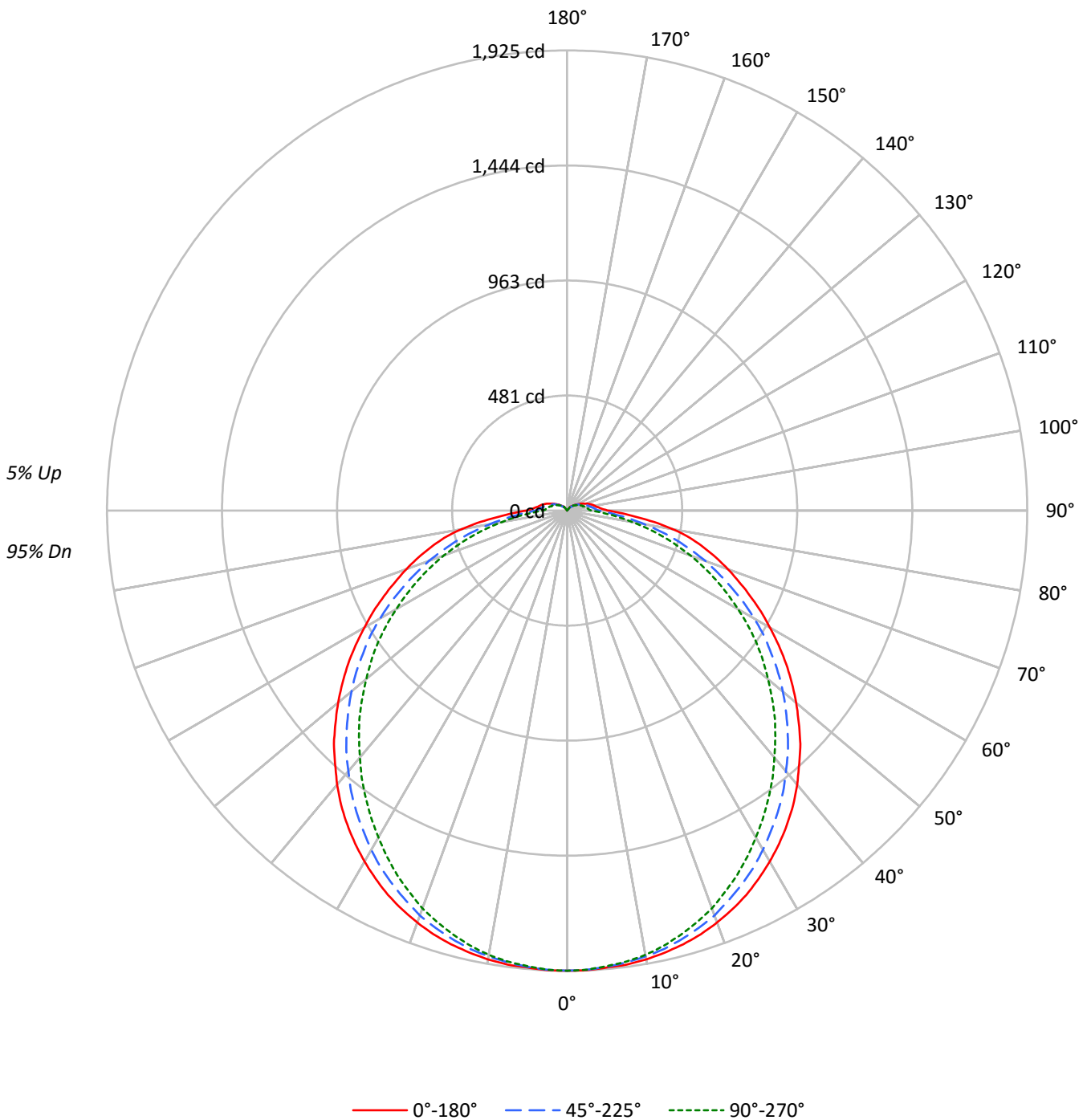
Lumens per Lamp: N/A  
Luminaire Lumens: 6243.9 lumens  
Efficiency: N/A  
Efficacy: 121.5 lumens/watt  
Spacing Criteria (0/90/45): 1.31 / 1.22 / 1.38  
Luminous Opening: Rectangular w/ Sides (W: 2' x L: 2' x H: 0.17')  
CIE Type: Direct

Input Watts (W): 51.4  
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°	5180	5180	5180
5°	5146	5122	5129
10°	5133	5069	5082
15°	5117	5012	5006
20°	5097	4949	4921
25°	5070	4860	4809
30°	5025	4767	4680
35°	4978	4666	4558
40°	4914	4552	4427
45°	4848	4441	4317
50°	4764	4326	4176
55°	4689	4188	4055
60°	4609	4042	3882
65°	4561	3844	3711
70°	4579	3652	3510
75°	4673	3390	3248
80°	4742	3044	2918
85°	4485	2735	2690



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	182.2	2.9
10°-20°	523.9	8.4
20°-30°	795.8	12.7
30°-40°	961.2	15.4
40°-50°	1006.0	16.1
50°-60°	933.5	15.0
60°-70°	756.1	12.1
70°-80°	510.3	8.2
80°-90°	246.5	3.9
90°-100°	124.0	2.0
100°-110°	90.2	1.4
110°-120°	60.3	1.0
120°-130°	34.9	0.6
130°-140°	17.6	0.3
140°-150°	1.4	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	1501.9	24.1
0°-40°	2463.1	39.4
0°-60°	4402.7	70.5
0°-90°	5915.6	94.7
90°-120°	274.4	4.4
90°-150°	328.3	5.3
90°-180°	328.0	5.3
0°-180°	6243.9	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1925	1925	1925	1925	1925	
5°	1919	1916	1916	1912	1912	183
15°	1878	1868	1856	1843	1837	530
25°	1774	1758	1727	1695	1682	817
35°	1604	1582	1538	1490	1468	1003
45°	1380	1355	1304	1251	1229	1063
55°	1118	1093	1043	992	967	1000
65°	844	813	756	715	687	838
75°	589	529	470	435	410	621
85°	284	246	208	189	170	268
90°	170	154	132	120	101	97
95°	136	126	113	101	88	106
105°	101	94	85	76	69	108
115°	69	63	63	54	54	69
125°	44	38	41	35	38	39
135°	25	22	22	22	25	20
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°	1925.1	1925.1	1925.1	1925.1	1925.1
2.5°	1925.1	1922.0	1922.0	1922.0	1922.0
5°	1918.8	1915.7	1915.7	1912.5	1912.5
7.5°	1915.7	1909.4	1906.2	1903.1	1903.1
10°	1906.2	1899.9	1893.6	1887.3	1887.3
12.5°	1893.6	1887.3	1877.9	1865.2	1865.2
15°	1877.9	1868.4	1855.8	1843.2	1836.9
17.5°	1858.9	1849.5	1830.6	1811.7	1805.4
20°	1833.7	1821.1	1802.2	1777.0	1770.7
22.5°	1805.4	1792.8	1764.4	1739.2	1726.6
25°	1773.9	1758.1	1726.6	1695.1	1682.5
27.5°	1736.1	1720.3	1685.7	1647.8	1632.1
30°	1695.1	1676.2	1638.4	1597.4	1578.5
32.5°	1651.0	1628.9	1588.0	1543.9	1525.0
35°	1603.7	1581.7	1537.6	1490.3	1468.3
37.5°	1553.3	1531.3	1484.0	1433.6	1411.5
40°	1496.6	1474.6	1424.1	1373.7	1348.5
42.5°	1436.7	1417.8	1367.4	1313.9	1288.7
45°	1380.0	1354.8	1304.4	1250.9	1228.8
47.5°	1313.9	1295.0	1241.4	1187.8	1162.6
50°	1250.9	1228.8	1178.4	1124.8	1096.5
52.5°	1184.7	1165.8	1112.2	1058.7	1033.4
55°	1118.5	1093.3	1042.9	992.5	967.3
57.5°	1049.2	1027.1	976.7	929.5	898.0
60°	979.9	957.8	904.3	860.2	825.5
62.5°	913.7	888.5	831.8	784.5	756.2
65°	844.4	812.9	756.2	715.2	686.9
67.5°	778.2	740.4	683.7	645.9	617.5
70°	715.2	671.1	614.4	576.6	548.2
72.5°	652.2	598.6	538.8	504.1	478.9
75°	589.2	529.3	469.5	434.8	409.6
77.5°	526.2	456.9	397.0	368.6	343.4
80°	450.6	384.4	327.7	302.5	277.3
82.5°	365.5	311.9	264.7	239.5	220.6
85°	283.6	245.8	207.9	189.0	170.1
87.5°	220.6	192.2	163.8	148.1	132.3
90°	170.1	154.4	132.3	119.7	100.8
92.5°	148.1	135.5	119.7	107.1	91.4
95°	135.5	126.0	113.4	100.8	88.2
97.5°	122.9	116.6	104.0	94.5	81.9
100°	116.6	107.1	97.7	88.2	78.8
102.5°	110.3	100.8	91.4	81.9	75.6
105°	100.8	94.5	85.1	75.6	69.3
107.5°	94.5	85.1	78.8	69.3	66.2
110°	85.1	78.8	72.5	66.2	63.0



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	75.6	72.5	66.2	59.9	56.7
115°	69.3	63.0	63.0	53.6	53.6
117.5°	63.0	56.7	56.7	50.4	50.4
120°	53.6	50.4	50.4	44.1	44.1
122.5°	47.3	44.1	44.1	41.0	41.0
125°	44.1	37.8	41.0	34.7	37.8
127.5°	37.8	34.7	34.7	31.5	34.7
130°	31.5	28.4	28.4	28.4	31.5
132.5°	28.4	25.2	25.2	25.2	28.4
135°	25.2	22.1	22.1	22.1	25.2
137.5°	22.1	18.9	15.8	18.9	22.1
140°	18.9	15.8	12.6	15.8	18.9
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)