

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: P384145

Luminaire Tested: **22ID-60-L850-CFD1**

Issue Date: 2/25/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P384145  
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: 22ID-60-L850-CFD1  
Description: 2X2 IN DEPTH TROFFER WITH 1INCH DROP CUBE LENS

Light Source: -  
Ballast/Driver: -

**Summary**

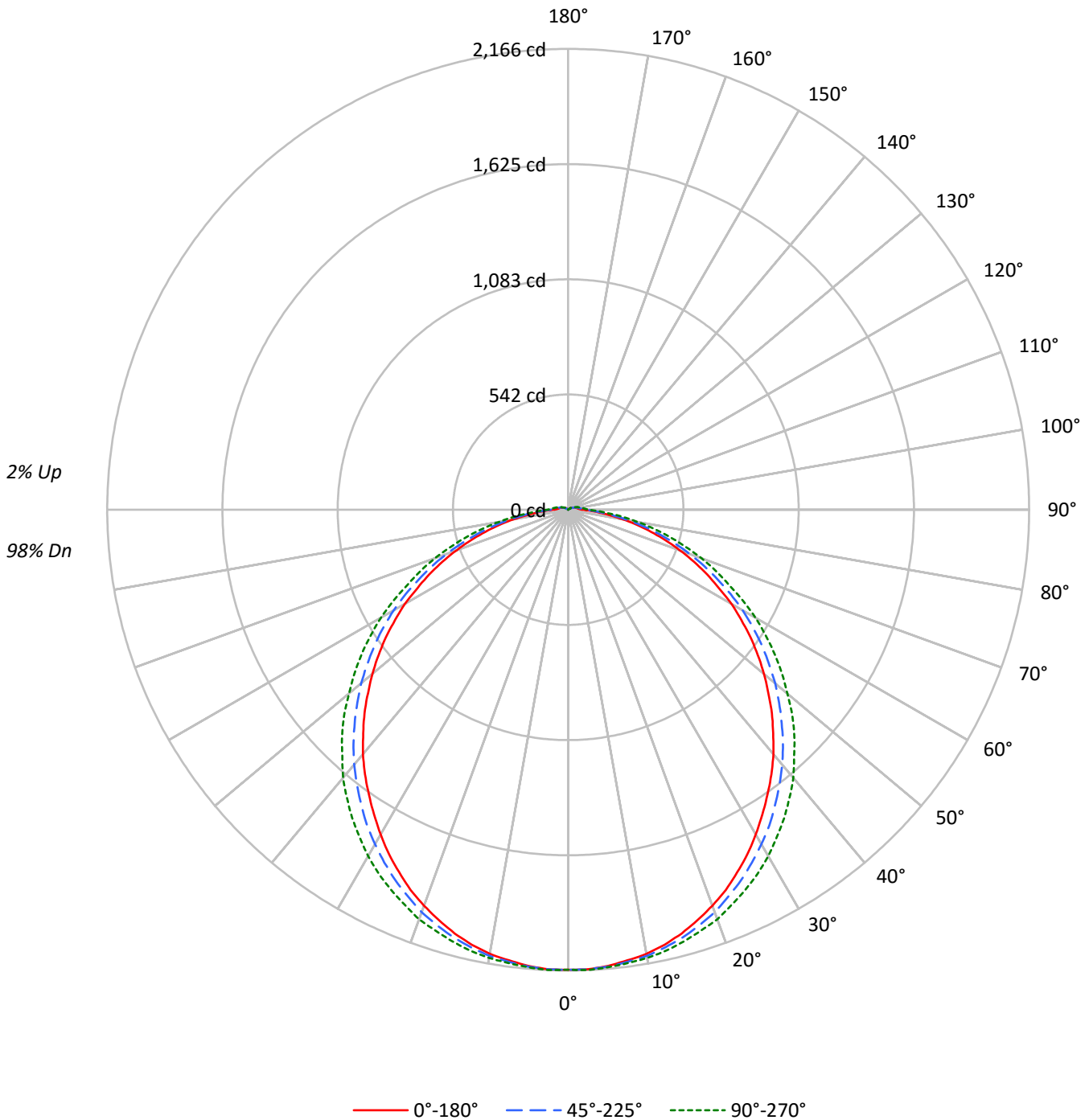
Lumens per Lamp: N/A  
Luminaire Lumens: 6403.9 lumens  
Efficiency: N/A  
Efficacy: 124.6 lumens/watt  
Spacing Criteria (0/90/45): 1.21 / 1.29 / 1.37  
Luminous Opening: Rectangular w/ Sides (W: 2' x L: 2' x H: 0.08')  
CIE Type: Direct

Input Watts (W): 51.4  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): 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°	5819	5819	5819
5°	5793	5794	5811
10°	5751	5760	5804
15°	5680	5708	5787
20°	5587	5643	5779
25°	5475	5554	5740
30°	5349	5454	5704
35°	5213	5347	5648
40°	5091	5238	5587
45°	4946	5099	5492
50°	4791	4966	5361
55°	4629	4805	5247
60°	4449	4630	5101
65°	4213	4368	4858
70°	3942	4111	4699
75°	3623	3763	4441
80°	3256	3356	4152
85°	2920	2995	3939



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	204.8	3.2
10°-20°	587.0	9.2
20°-30°	886.3	13.8
30°-40°	1061.9	16.6
40°-50°	1097.9	17.1
50°-60°	994.2	15.5
60°-70°	769.3	12.0
70°-80°	472.6	7.4
80°-90°	187.8	2.9
90°-100°	68.5	1.1
100°-110°	42.1	0.7
110°-120°	21.6	0.3
120°-130°	9.2	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°	1678.1	26.2
0°-40°	2740.0	42.8
0°-60°	4832.1	75.5
0°-90°	6261.8	97.8
90°-120°	132.3	2.1
90°-150°	142.1	2.2
90°-180°	142.0	2.2
0°-180°	6403.9	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	2162	2162	2162	2162	2162	
5°	2152	2152	2156	2156	2159	204
15°	2062	2065	2081	2094	2101	581
25°	1880	1893	1922	1954	1971	866
35°	1633	1652	1695	1740	1769	1022
45°	1354	1370	1419	1477	1503	1043
55°	1045	1068	1110	1159	1185	934
65°	721	737	773	812	831	713
75°	403	422	442	471	494	429
85°	140	149	162	179	188	139
90°	65	75	81	91	97	38
95°	49	55	62	68	75	39
105°	36	36	39	42	46	38
115°	23	20	20	23	26	23
125°	13	10	6	10	13	12
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°	2162.3	2162.3	2162.3	2162.3	2162.3
2.5°	2162.3	2159.0	2162.3	2162.3	2165.5
5°	2152.5	2152.5	2155.8	2155.8	2159.0
7.5°	2136.3	2136.3	2142.8	2146.0	2149.3
10°	2120.0	2120.0	2129.8	2133.0	2139.5
12.5°	2094.1	2097.3	2107.1	2116.8	2123.3
15°	2061.6	2064.9	2081.1	2094.1	2100.6
17.5°	2022.6	2029.1	2048.6	2068.1	2074.6
20°	1980.4	1990.2	2012.9	2035.6	2048.6
22.5°	1935.0	1941.5	1967.5	1996.7	2009.7
25°	1879.8	1892.8	1922.0	1954.5	1970.7
27.5°	1824.6	1837.6	1870.1	1909.0	1928.5
30°	1762.9	1775.9	1814.9	1857.1	1879.8
32.5°	1698.0	1714.2	1759.7	1801.9	1824.6
35°	1633.1	1652.5	1694.7	1740.2	1769.4
37.5°	1568.1	1584.4	1629.8	1678.5	1707.7
40°	1499.9	1516.2	1564.9	1613.6	1646.0
42.5°	1425.3	1444.7	1493.4	1545.4	1571.4
45°	1353.8	1370.1	1418.8	1477.2	1503.2
47.5°	1275.9	1298.6	1344.1	1399.3	1428.5
50°	1201.3	1220.7	1269.4	1321.4	1344.1
52.5°	1123.3	1142.8	1188.3	1240.2	1266.2
55°	1045.4	1068.1	1110.3	1159.0	1185.0
57.5°	964.2	987.0	1029.2	1071.4	1100.6
60°	886.3	909.1	948.0	990.2	1016.2
62.5°	798.7	818.1	860.4	905.8	925.3
65°	720.8	737.0	772.7	811.7	831.1
67.5°	639.6	659.1	691.5	727.2	750.0
70°	558.4	581.1	607.1	639.6	665.6
72.5°	480.5	500.0	522.7	555.2	577.9
75°	402.6	422.1	441.5	470.8	493.5
77.5°	334.4	344.1	363.6	389.6	412.3
80°	259.7	272.7	288.9	314.9	331.2
82.5°	194.8	207.8	220.8	240.3	256.5
85°	139.6	149.3	162.3	178.6	188.3
87.5°	94.2	103.9	113.6	126.6	136.4
90°	64.9	74.7	81.2	90.9	97.4
92.5°	55.2	61.7	68.2	74.7	81.2
95°	48.7	55.2	61.7	68.2	74.7
97.5°	45.5	48.7	55.2	61.7	64.9
100°	42.2	45.5	48.7	55.2	58.4
102.5°	39.0	39.0	45.5	48.7	51.9
105°	35.7	35.7	39.0	42.2	45.5
107.5°	32.5	32.5	35.7	35.7	42.2
110°	29.2	26.0	29.2	29.2	35.7



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	26.0	22.7	26.0	26.0	29.2
115°	22.7	19.5	19.5	22.7	26.0
117.5°	19.5	16.2	16.2	16.2	22.7
120°	19.5	16.2	13.0	13.0	19.5
122.5°	16.2	13.0	9.7	13.0	16.2
125°	13.0	9.7	6.5	9.7	13.0
127.5°	9.7	9.7	3.2	6.5	9.7
130°	9.7	6.5	3.2	6.5	6.5
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)