

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: P384594

Luminaire Tested: **14ID-65-L830-CFD3**

Issue Date: 2/25/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P384594  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1911-572-69)  
Test Lab: INNOVATION CENTER (G2)  
Issue Date: 2/25/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: 14ID-65-L830-CFD3  
Description: 1X4 IN DEPTH TROFFER WITH 3INCH DROP CUBE LENS

Light Source: -  
Ballast/Driver: -

**Summary**

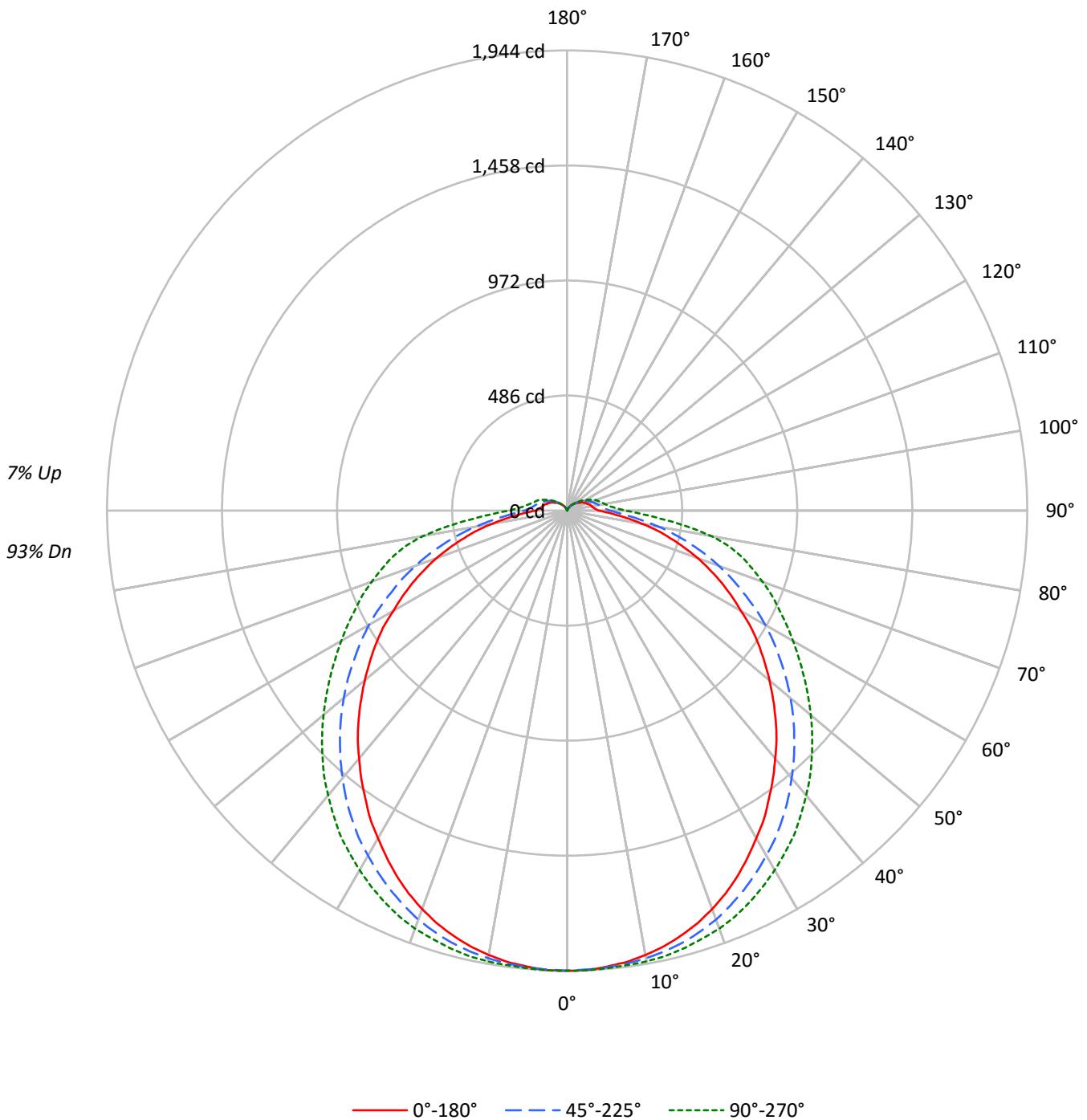
Lumens per Lamp: N/A  
Luminaire Lumens: 6802.1 lumens  
Efficiency: N/A  
Efficacy: 116.5 lumens/watt  
Spacing Criteria (0/90/45): 1.23 / 1.34 / 1.41  
Luminous Opening: Rectangular w/ Sides (W: 1' x L: 4' x H: 0.25')  
CIE Type: Direct

Input Watts (W): 58.4  
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	117	117	117	117	114	114	114	114	107	107	107	101	101	101	95	95	95	93
1	105	100	95	91	102	97	93	89	91	88	84	86	83	80	81	79	77	74
2	95	86	79	73	92	84	77	71	79	73	68	74	70	66	70	67	63	60
3	86	75	66	60	83	73	65	59	69	62	57	65	59	55	62	57	53	50
4	79	66	57	50	76	64	56	49	61	54	48	58	51	46	55	49	45	42
5	72	59	50	43	70	57	49	42	54	47	41	52	45	40	49	43	39	36
6	67	53	44	37	64	52	43	37	49	41	36	47	40	35	44	39	34	32
7	62	48	39	33	60	47	38	32	44	37	31	42	36	31	40	35	30	28
8	57	44	35	29	55	43	34	29	41	33	28	39	32	27	37	31	27	25
9	54	40	32	26	52	39	31	26	37	30	25	36	29	25	34	28	24	22
10	50	37	29	23	49	36	28	23	35	28	23	33	27	22	32	26	22	20

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

	0°	45°	90°
0°	5231	5231	5231
5°	5195	5133	5129
10°	5153	5050	5060
15°	5094	4970	4996
20°	5015	4873	4933
25°	4913	4757	4853
30°	4792	4637	4762
35°	4676	4517	4676
40°	4563	4373	4561
45°	4459	4229	4451
50°	4349	4081	4333
55°	4252	3920	4222
60°	4119	3763	4141
65°	4038	3546	4092
70°	3941	3338	4098
75°	3804	3054	4124
80°	3688	2706	3957
85°	3726	2287	3177



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	184.3	2.7
10°-20°	532.6	7.8
20°-30°	813.7	12.0
30°-40°	990.5	14.6
40°-50°	1047.0	15.4
50°-60°	988.3	14.5
60°-70°	831.4	12.2
70°-80°	599.4	8.8
80°-90°	316.1	4.6
90°-100°	169.2	2.5
100°-110°	128.5	1.9
110°-120°	93.2	1.4
120°-130°	58.5	0.9
130°-140°	31.6	0.5
140°-150°	13.8	0.2
150°-160°	3.7	0.1
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-30°	1530.6	22.5
0°-40°	2521.2	37.1
0°-60°	4556.4	67.0
0°-90°	6303.4	92.7
90°-120°	390.9	5.7
90°-150°	494.9	7.3
90°-180°	499.0	7.3
0°-180°	6802.1	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1944	1944	1944	1944	1944	
5°	1934	1934	1937	1937	1940	184
15°	1859	1866	1890	1903	1913	524
25°	1703	1723	1767	1808	1825	784
35°	1486	1520	1588	1649	1672	931
45°	1245	1282	1357	1432	1462	961
55°	987	1031	1099	1180	1221	882
65°	719	760	821	923	987	711
75°	451	488	536	641	767	479
85°	207	234	261	326	397	194
90°	132	156	180	214	244	76
95°	115	132	153	173	187	92
105°	98	109	122	136	142	103
115°	78	85	95	102	109	78
125°	58	58	68	68	71	52
135°	41	37	41	41	44	31
145°	24	20	20	20	24	15
155°	10	10	3	7	10	5
165°	0	0	0	0	0	0
175°	0	0	0	0	0	0
180°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1943.8	1943.8	1943.8	1943.8	1943.8
2.5°	1943.8	1940.4	1940.4	1940.4	1943.8
5°	1933.6	1933.6	1937.0	1937.0	1940.4
7.5°	1923.4	1923.4	1930.2	1933.6	1937.0
10°	1906.5	1909.9	1920.1	1926.8	1933.6
12.5°	1886.1	1889.5	1906.5	1920.1	1926.8
15°	1859.0	1865.8	1889.5	1903.1	1913.3
17.5°	1828.5	1838.6	1865.8	1886.1	1896.3
20°	1791.1	1804.7	1838.6	1865.8	1879.3
22.5°	1750.4	1764.0	1804.7	1838.6	1855.6
25°	1702.9	1723.3	1767.4	1808.1	1825.1
27.5°	1652.1	1675.8	1726.7	1774.2	1791.1
30°	1597.8	1624.9	1682.6	1733.5	1753.8
32.5°	1546.9	1574.0	1638.5	1692.8	1713.1
35°	1485.8	1519.8	1587.6	1648.7	1672.4
37.5°	1428.2	1462.1	1533.3	1597.8	1621.5
40°	1367.1	1401.0	1475.7	1546.9	1570.6
42.5°	1309.4	1343.4	1418.0	1492.6	1519.8
45°	1245.0	1282.3	1356.9	1431.6	1462.1
47.5°	1180.5	1217.8	1295.9	1373.9	1404.4
50°	1116.1	1156.8	1231.4	1309.4	1343.4
52.5°	1051.6	1092.3	1167.0	1248.4	1282.3
55°	987.2	1031.3	1099.1	1180.5	1221.2
57.5°	922.7	966.8	1034.7	1119.5	1160.2
60°	848.1	899.0	966.8	1055.0	1102.5
62.5°	783.6	827.7	895.6	987.2	1044.8
65°	719.2	759.9	820.9	922.7	987.2
67.5°	651.3	695.4	753.1	848.1	936.3
70°	586.9	624.2	681.9	780.2	878.6
72.5°	519.0	556.3	610.6	712.4	820.9
75°	451.2	488.5	536.0	641.1	766.7
77.5°	390.1	420.6	464.7	566.5	702.2
80°	322.3	352.8	393.5	485.1	617.4
82.5°	261.2	288.3	322.3	403.7	508.8
85°	206.9	234.1	261.2	325.7	396.9
87.5°	166.2	186.6	213.7	261.2	308.7
90°	132.3	156.0	179.8	213.7	244.2
92.5°	122.1	142.5	162.8	190.0	210.3
95°	115.3	132.3	152.7	173.0	186.6
97.5°	108.6	125.5	142.5	162.8	173.0
100°	105.2	118.7	135.7	152.7	159.4
102.5°	101.8	111.9	128.9	142.5	152.7
105°	98.4	108.6	122.1	135.7	142.5
107.5°	91.6	101.8	115.3	128.9	135.7
110°	88.2	95.0	108.6	118.7	128.9



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	84.8	91.6	101.8	111.9	118.7
115°	78.0	84.8	95.0	101.8	108.6
117.5°	74.6	78.0	88.2	91.6	98.4
120°	67.8	71.2	81.4	84.8	88.2
122.5°	61.1	64.5	74.6	74.6	81.4
125°	57.7	57.7	67.8	67.8	71.2
127.5°	54.3	54.3	61.1	61.1	64.5
130°	47.5	47.5	54.3	54.3	54.3
132.5°	44.1	40.7	47.5	47.5	50.9
135°	40.7	37.3	40.7	40.7	44.1
137.5°	33.9	33.9	37.3	33.9	37.3
140°	30.5	27.1	30.5	30.5	33.9
142.5°	27.1	23.7	27.1	23.7	27.1
145°	23.7	20.4	20.4	20.4	23.7
147.5°	20.4	17.0	17.0	17.0	20.4
150°	17.0	13.6	13.6	13.6	17.0
152.5°	13.6	10.2	6.8	10.2	13.6
155°	10.2	10.2	3.4	6.8	10.2
157.5°	6.8	6.8	0.0	3.4	6.8
160°	3.4	3.4	0.0	3.4	3.4
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)