

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: P384090

Luminaire Tested: **14ID-65-L830-CFD1**

Issue Date: 2/25/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P384090  
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-65-L830-CFD1  
Description: 1X4 IN DEPTH TROFFER WITH 1INCH DROP CUBE LENS

Light Source: -  
Ballast/Driver: -

**Summary**

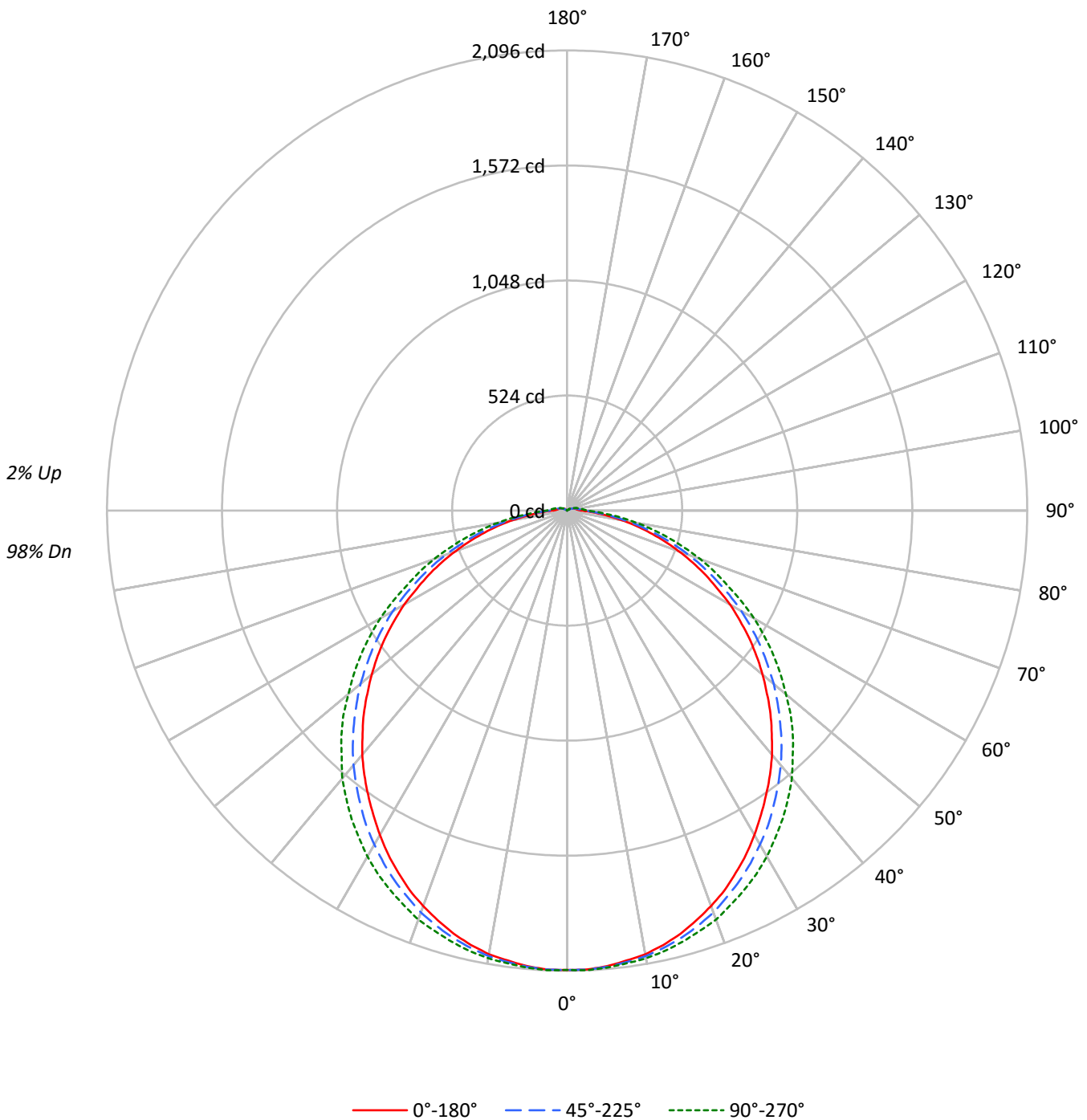
Lumens per Lamp: N/A  
Luminaire Lumens: 6197.4 lumens  
Efficiency: N/A  
Efficacy: 106.1 lumens/watt  
Spacing Criteria (0/90/45): 1.21 / 1.29 / 1.37  
Luminous Opening: Rectangular w/ Sides (W: 1' x L: 4' x H: 0.08')  
CIE Type: Direct

Input Watts (W): 58.4  
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	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°	5631	5631	5631
5°	5617	5599	5603
10°	5586	5560	5576
15°	5527	5502	5540
20°	5447	5433	5510
25°	5350	5339	5451
30°	5238	5235	5393
35°	5117	5124	5315
40°	5012	5010	5230
45°	4884	4867	5110
50°	4749	4728	4954
55°	4609	4561	4808
60°	4455	4379	4625
65°	4251	4112	4345
70°	4022	3845	4124
75°	3759	3485	3788
80°	3484	3057	3373
85°	3369	2634	2882



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	198.2	3.2
10°-20°	568.1	9.2
20°-30°	857.7	13.8
30°-40°	1027.7	16.6
40°-50°	1062.5	17.1
50°-60°	962.2	15.5
60°-70°	744.5	12.0
70°-80°	457.4	7.4
80°-90°	181.7	2.9
90°-100°	66.3	1.1
100°-110°	40.7	0.7
110°-120°	21.0	0.3
120°-130°	8.9	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°	1624.0	26.2
0°-40°	2651.6	42.8
0°-60°	4676.3	75.5
0°-90°	6059.9	97.8
90°-120°	128.0	2.1
90°-150°	137.5	2.2
90°-180°	138.0	2.2
0°-180°	6197.4	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	2092	2092	2092	2092	2092	
5°	2083	2083	2086	2086	2089	198
15°	1995	1998	2014	2026	2033	562
25°	1819	1832	1860	1891	1907	838
35°	1580	1599	1640	1684	1712	989
45°	1310	1326	1373	1430	1455	1010
55°	1012	1034	1074	1122	1147	904
65°	698	713	748	786	804	690
75°	390	408	427	456	478	415
85°	135	144	157	173	182	135
90°	63	72	78	88	94	37
95°	47	53	60	66	72	38
105°	35	35	38	41	44	37
115°	22	19	19	22	25	22
125°	13	9	6	9	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



TEST NUMBER: P384090

CATALOG NUMBER: 14ID-65-L830-CFD1

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	2092.5	2092.5	2092.5	2092.5	2092.5
2.5°	2092.5	2089.4	2092.5	2092.5	2095.7
5°	2083.1	2083.1	2086.2	2086.2	2089.4
7.5°	2067.4	2067.4	2073.7	2076.8	2080.0
10°	2051.7	2051.7	2061.1	2064.2	2070.5
12.5°	2026.5	2029.7	2039.1	2048.5	2054.8
15°	1995.1	1998.3	2014.0	2026.5	2032.8
17.5°	1957.4	1963.7	1982.6	2001.4	2007.7
20°	1916.6	1926.0	1948.0	1970.0	1982.6
22.5°	1872.6	1878.9	1904.0	1932.3	1944.9
25°	1819.2	1831.7	1860.0	1891.4	1907.2
27.5°	1765.8	1778.3	1809.8	1847.5	1866.3
30°	1706.1	1718.6	1756.3	1797.2	1819.2
32.5°	1643.2	1658.9	1702.9	1743.8	1765.8
35°	1580.4	1599.2	1640.1	1684.1	1712.4
37.5°	1517.6	1533.3	1577.3	1624.4	1652.7
40°	1451.6	1467.3	1514.4	1561.5	1593.0
42.5°	1379.3	1398.2	1445.3	1495.6	1520.7
45°	1310.2	1325.9	1373.0	1429.6	1454.7
47.5°	1234.8	1256.8	1300.8	1354.2	1382.5
50°	1162.5	1181.4	1228.5	1278.8	1300.8
52.5°	1087.1	1106.0	1149.9	1200.2	1225.4
55°	1011.7	1033.7	1074.5	1121.7	1146.8
57.5°	933.2	955.1	996.0	1036.8	1065.1
60°	857.7	879.7	917.4	958.3	983.4
62.5°	772.9	791.8	832.6	876.6	895.5
65°	697.5	713.2	747.8	785.5	804.3
67.5°	619.0	637.8	669.2	703.8	725.8
70°	540.4	562.4	587.5	619.0	644.1
72.5°	465.0	483.9	505.9	537.3	559.3
75°	389.6	408.5	427.3	455.6	477.6
77.5°	323.6	333.0	351.9	377.0	399.0
80°	251.4	263.9	279.6	304.8	320.5
82.5°	188.5	201.1	213.7	232.5	248.2
85°	135.1	144.5	157.1	172.8	182.2
87.5°	91.1	100.5	110.0	122.5	132.0
90°	62.8	72.3	78.5	88.0	94.3
92.5°	53.4	59.7	66.0	72.3	78.5
95°	47.1	53.4	59.7	66.0	72.3
97.5°	44.0	47.1	53.4	59.7	62.8
100°	40.8	44.0	47.1	53.4	56.6
102.5°	37.7	37.7	44.0	47.1	50.3
105°	34.6	34.6	37.7	40.8	44.0
107.5°	31.4	31.4	34.6	34.6	40.8
110°	28.3	25.1	28.3	28.3	34.6



TEST NUMBER: P384090

CATALOG NUMBER: 14ID-65-L830-CFD1

**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	25.1	22.0	25.1	25.1	28.3
115°	22.0	18.9	18.9	22.0	25.1
117.5°	18.9	15.7	15.7	15.7	22.0
120°	18.9	15.7	12.6	12.6	18.9
122.5°	15.7	12.6	9.4	12.6	15.7
125°	12.6	9.4	6.3	9.4	12.6
127.5°	9.4	9.4	3.1	6.3	9.4
130°	9.4	6.3	3.1	6.3	6.3
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)