

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: P384119

Luminaire Tested: **22ID-30-L835-CFD1**

Issue Date: 2/25/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P384119  
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-30-L835-CFD1  
Description: 2X2 IN DEPTH TROFFER WITH 1INCH DROP CUBE LENS

Light Source: -  
Ballast/Driver: -

**Summary**

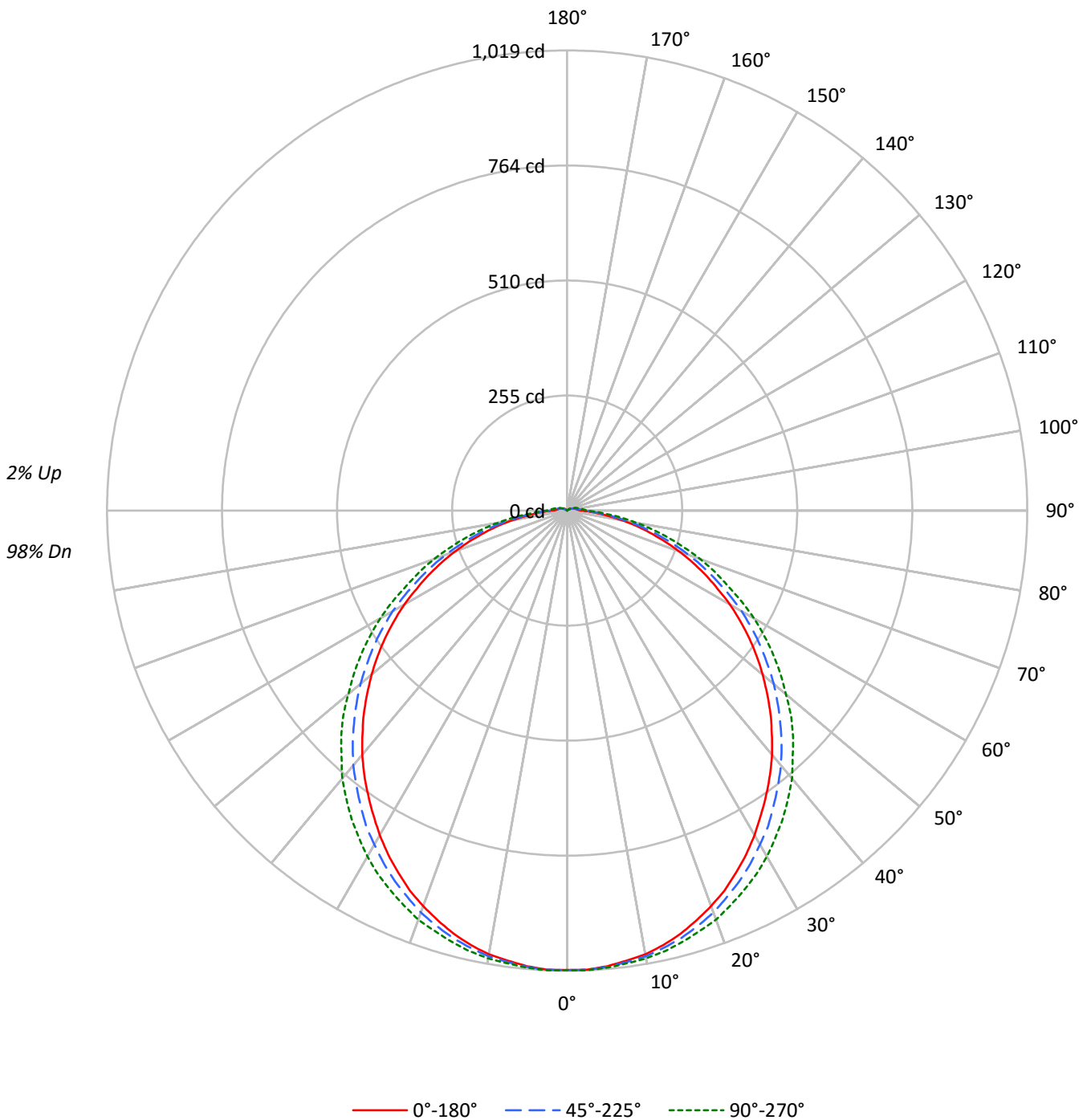
Lumens per Lamp: N/A  
Luminaire Lumens: 3013.5 lumens  
Efficiency: N/A  
Efficacy: 124.5 lumens/watt  
Spacing Criteria (0/90/45): 1.21 / 1.29 / 1.37  
Luminous Opening: Rectangular w/ Sides (W: 2' x L: 2' x H: 0.08')  
CIE Type: Direct

Input Watts (W): 24.2  
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



TEST NUMBER: P384119  
CATALOG NUMBER: 22ID-30-L835-CFD1

### Luminous Intensity Polar Plot





TEST NUMBER: P384119

CATALOG NUMBER: 22ID-30-L835-CFD1

**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°	2738	2738	2738
5°	2726	2726	2735
10°	2706	2710	2731
15°	2673	2686	2723
20°	2629	2656	2719
25°	2576	2614	2701
30°	2517	2566	2684
35°	2453	2516	2658
40°	2396	2465	2629
45°	2328	2399	2584
50°	2255	2337	2523
55°	2178	2261	2469
60°	2094	2179	2400
65°	1983	2056	2286
70°	1855	1935	2211
75°	1704	1771	2089
80°	1532	1580	1953
85°	1374	1410	1853



TEST NUMBER: P384119

CATALOG NUMBER: 22ID-30-L835-CFD1

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	96.4	3.2
10°-20°	276.2	9.2
20°-30°	417.0	13.8
30°-40°	499.7	16.6
40°-50°	516.6	17.1
50°-60°	467.8	15.5
60°-70°	362.0	12.0
70°-80°	222.4	7.4
80°-90°	88.4	2.9
90°-100°	32.2	1.1
100°-110°	19.8	0.7
110°-120°	10.2	0.3
120°-130°	4.4	0.1
130°-140°	0.3	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°	789.6	26.2
0°-40°	1289.4	42.8
0°-60°	2273.8	75.5
0°-90°	2946.6	97.8
90°-120°	62.2	2.1
90°-150°	66.9	2.2
90°-180°	67.0	2.2
0°-180°	3013.5	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1018	1018	1018	1018	1018	
5°	1013	1013	1014	1014	1016	96
15°	970	972	979	985	988	273
25°	885	891	904	920	927	408
35°	768	778	798	819	833	481
45°	637	645	668	695	707	491
55°	492	503	522	545	558	440
65°	339	347	364	382	391	336
75°	189	199	208	222	232	202
85°	66	70	76	84	89	65
90°	31	35	38	43	46	18
95°	23	26	29	32	35	18
105°	17	17	18	20	21	18
115°	11	9	9	11	12	11
125°	6	5	3	5	6	6
135°	0	0	0	0	0	0
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: P384119

CATALOG NUMBER: 22ID-30-L835-CFD1

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1017.5	1017.5	1017.5	1017.5	1017.5
2.5°	1017.5	1016.0	1017.5	1017.5	1019.0
5°	1012.9	1012.9	1014.4	1014.4	1016.0
7.5°	1005.3	1005.3	1008.3	1009.9	1011.4
10°	997.6	997.6	1002.2	1003.7	1006.8
12.5°	985.4	986.9	991.5	996.1	999.2
15°	970.1	971.7	979.3	985.4	988.5
17.5°	951.8	954.9	964.0	973.2	976.2
20°	931.9	936.5	947.2	957.9	964.0
22.5°	910.6	913.6	925.8	939.6	945.7
25°	884.6	890.7	904.4	919.7	927.4
27.5°	858.6	864.7	880.0	898.3	907.5
30°	829.6	835.7	854.0	873.9	884.6
32.5°	799.0	806.7	828.1	847.9	858.6
35°	768.5	777.6	797.5	818.9	832.6
37.5°	737.9	745.6	766.9	789.9	803.6
40°	705.8	713.5	736.4	759.3	774.6
42.5°	670.7	679.9	702.8	727.2	739.4
45°	637.1	644.7	667.6	695.1	707.4
47.5°	600.4	611.1	632.5	658.5	672.2
50°	565.3	574.4	597.4	621.8	632.5
52.5°	528.6	537.8	559.2	583.6	595.8
55°	491.9	502.6	522.5	545.4	557.6
57.5°	453.7	464.4	484.3	504.2	517.9
60°	417.1	427.8	446.1	466.0	478.2
62.5°	375.8	385.0	404.9	426.2	435.4
65°	339.2	346.8	363.6	381.9	391.1
67.5°	301.0	310.1	325.4	342.2	352.9
70°	262.8	273.5	285.7	301.0	313.2
72.5°	226.1	235.3	246.0	261.2	271.9
75°	189.4	198.6	207.8	221.5	232.2
77.5°	157.4	161.9	171.1	183.3	194.0
80°	122.2	128.3	136.0	148.2	155.8
82.5°	91.7	97.8	103.9	113.1	120.7
85°	65.7	70.3	76.4	84.0	88.6
87.5°	44.3	48.9	53.5	59.6	64.2
90°	30.6	35.1	38.2	42.8	45.8
92.5°	26.0	29.0	32.1	35.1	38.2
95°	22.9	26.0	29.0	32.1	35.1
97.5°	21.4	22.9	26.0	29.0	30.6
100°	19.9	21.4	22.9	26.0	27.5
102.5°	18.3	18.3	21.4	22.9	24.4
105°	16.8	16.8	18.3	19.9	21.4
107.5°	15.3	15.3	16.8	16.8	19.9
110°	13.7	12.2	13.7	13.7	16.8



TEST NUMBER: P384119

CATALOG NUMBER: 22ID-30-L835-CFD1

**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	12.2	10.7	12.2	12.2	13.7
115°	10.7	9.2	9.2	10.7	12.2
117.5°	9.2	7.6	7.6	7.6	10.7
120°	9.2	7.6	6.1	6.1	9.2
122.5°	7.6	6.1	4.6	6.1	7.6
125°	6.1	4.6	3.1	4.6	6.1
127.5°	4.6	4.6	1.5	3.1	4.6
130°	4.6	3.1	1.5	3.1	3.1
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)