

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: P383954

Luminaire Tested: **22ID-35-L830-CFR2**

Issue Date: 2/25/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P383954  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1911-572-66)  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 2/25/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: 22ID-35-L830-CFR2  
Description: 2X2 IN DEPTH TROFFER WITH 2INCH RECESSED COFFER LENS

Light Source: -  
Ballast/Driver: -

**Summary**

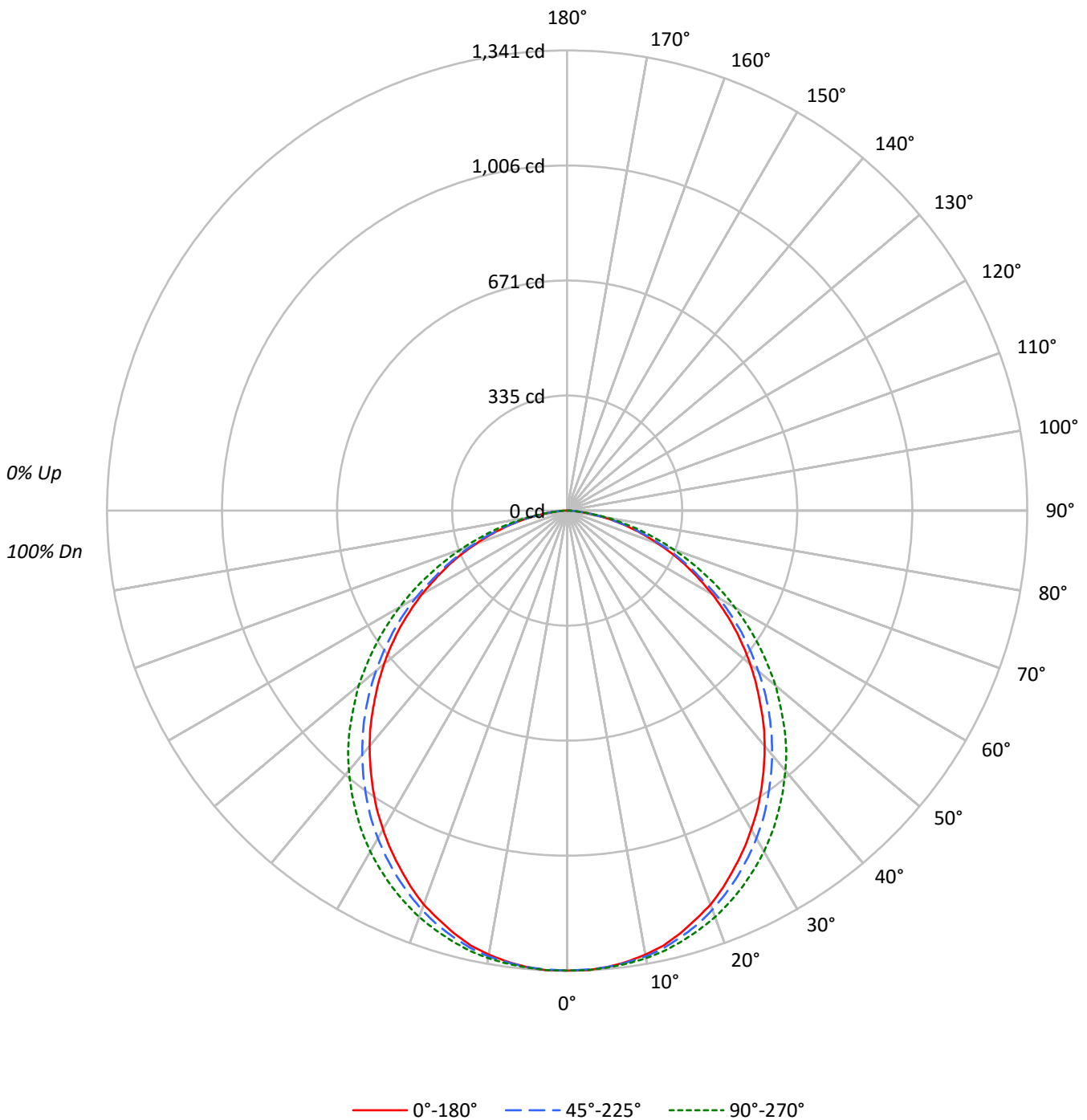
Lumens per Lamp: N/A  
Luminaire Lumens: 3539.0 lumens  
Efficiency: N/A  
Efficacy: 122.9 lumens/watt  
Spacing Criteria (0/90/45): 1.19 / 1.27 / 1.33  
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')  
CIE Type: Direct

Input Watts (W): 28.8  
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	111	111	111	106	106	106	102	102	102	100
1	109	105	101	97	107	102	99	95	98	95	92	94	92	89	91	89	87	85
2	100	92	85	79	97	90	84	79	86	81	77	83	79	75	80	76	73	71
3	91	81	73	66	89	79	72	66	76	70	65	73	68	64	71	66	62	60
4	83	72	63	57	81	70	62	56	68	61	55	66	60	55	63	58	54	52
5	77	64	55	49	75	63	55	49	61	54	48	59	53	48	57	52	47	45
6	71	58	49	43	69	57	49	43	55	48	42	53	47	42	52	46	41	39
7	66	53	44	38	64	52	44	38	50	43	37	49	42	37	47	41	37	35
8	61	48	40	34	60	47	39	34	46	39	33	45	38	33	44	38	33	31
9	57	44	36	30	56	43	36	30	42	35	30	41	35	30	40	34	30	28
10	54	41	33	28	53	40	33	28	39	32	27	38	32	27	37	31	27	25

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

	0°	45°	90°
0°	3608	3608	3608
5°	3607	3607	3612
10°	3590	3605	3620
15°	3552	3582	3616
20°	3499	3545	3611
25°	3417	3491	3591
30°	3334	3427	3565
35°	3245	3350	3525
40°	3146	3264	3476
45°	3030	3165	3408
50°	2918	3044	3319
55°	2787	2912	3194
60°	2634	2749	3035
65°	2450	2529	2834
70°	2219	2302	2595
75°	1936	2010	2268
80°	1567	1595	1787
85°	929	1041	877



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	126.9	3.6
10°-20°	362.7	10.2
20°-30°	542.6	15.3
30°-40°	641.1	18.1
40°-50°	646.9	18.3
50°-60°	561.8	15.9
60°-70°	402.8	11.4
70°-80°	209.9	5.9
80°-90°	44.3	1.3
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	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°	1032.3	29.2
0°-40°	1673.3	47.3
0°-60°	2882.0	81.4
0°-90°	3539.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3539.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1341	1341	1341	1341	1341	
5°	1335	1334	1335	1335	1337	127
15°	1275	1277	1286	1294	1298	359
25°	1151	1158	1176	1199	1209	530
35°	988	995	1020	1057	1073	617
45°	796	805	832	874	896	615
55°	594	599	621	661	681	531
65°	385	383	397	427	445	380
75°	186	184	193	208	218	199
85°	30	34	34	30	28	43
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1340.6	1340.6	1340.6	1340.6	1340.6
2.5°	1340.6	1338.8	1338.8	1338.8	1340.6
5°	1335.3	1333.5	1335.3	1335.3	1337.1
7.5°	1326.4	1324.7	1328.2	1330.0	1331.8
10°	1314.0	1314.0	1319.3	1322.9	1324.7
12.5°	1298.1	1298.1	1305.2	1310.5	1314.0
15°	1275.0	1276.8	1285.6	1294.5	1298.1
17.5°	1248.4	1253.7	1264.4	1276.8	1280.3
20°	1221.8	1225.4	1237.8	1253.7	1260.8
22.5°	1188.1	1193.4	1207.6	1228.9	1236.0
25°	1150.9	1158.0	1175.7	1198.8	1209.4
27.5°	1113.6	1119.0	1140.2	1166.8	1179.2
30°	1072.9	1079.9	1103.0	1133.1	1147.3
32.5°	1032.1	1037.4	1064.0	1095.9	1111.9
35°	987.7	994.8	1019.7	1056.9	1072.9
37.5°	941.6	950.5	975.3	1014.3	1032.1
40°	895.5	900.8	929.2	968.2	989.5
42.5°	847.6	854.7	881.3	923.9	945.2
45°	796.2	805.1	831.7	874.2	895.5
47.5°	746.6	755.4	780.3	822.8	842.3
50°	696.9	702.2	727.1	769.6	792.7
52.5°	645.5	650.8	673.9	714.6	735.9
55°	594.1	599.4	620.7	661.4	680.9
57.5°	540.9	544.4	565.7	602.9	622.4
60°	489.4	491.2	510.7	544.4	563.9
62.5°	434.5	436.2	450.4	489.4	507.2
65°	384.8	383.0	397.2	427.4	445.1
67.5°	333.4	333.4	345.8	372.4	386.6
70°	282.0	282.0	292.6	315.6	329.8
72.5°	234.1	234.1	242.9	260.7	271.3
75°	186.2	184.4	193.3	207.5	218.1
77.5°	141.9	141.9	145.4	157.8	164.9
80°	101.1	101.1	102.9	109.9	115.3
82.5°	63.8	63.8	63.8	67.4	69.2
85°	30.1	33.7	33.7	30.1	28.4
87.5°	14.2	14.2	12.4	12.4	12.4
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)