

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: P385301

Luminaire Tested: **22ID-35-L850-CNV**

Issue Date: 2/25/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P385301  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1911-572-73)  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 2/25/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: 22ID-35-L850-CNV  
Description: 2X2 IN DEPTH TROFFER WITH CONVEX LENS

Light Source: -  
Ballast/Driver: -

**Summary**

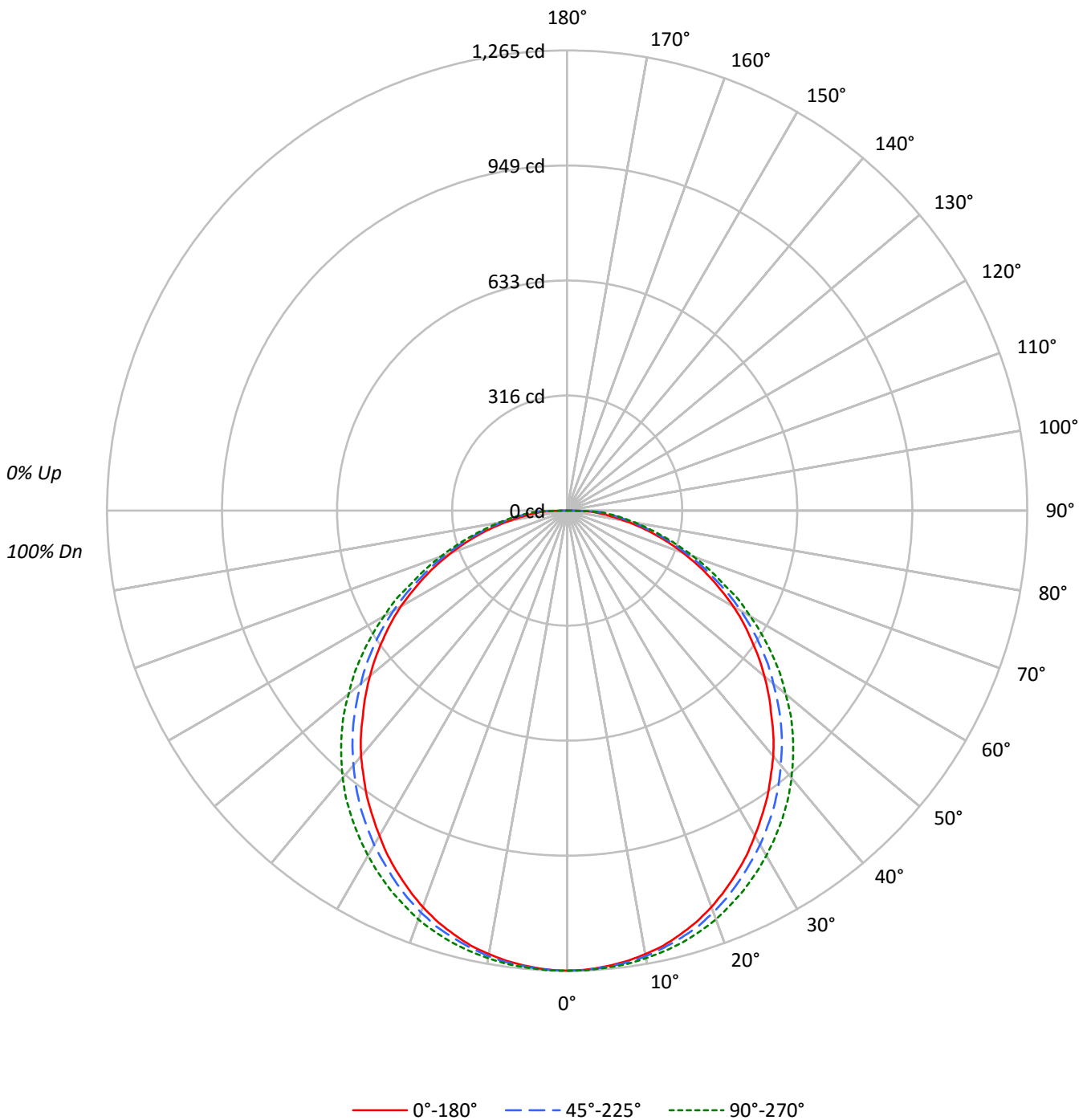
Lumens per Lamp: N/A  
Luminaire Lumens: 3668.7 lumens  
Efficiency: N/A  
Efficacy: 129.2 lumens/watt  
Spacing Criteria (0/90/45): 1.22 / 1.28 / 1.37  
Luminous Opening: Rectangular w/ Sides (W: 2' x L: 2' x H: 0.17')  
CIE Type: Direct

Input Watts (W): 28.4  
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	111	111	111	106	106	106	102	102	102	100
1	108	103	99	94	105	101	97	93	96	93	90	93	90	87	89	87	85	82
2	98	90	82	77	95	88	81	76	84	79	74	81	76	72	78	74	70	68
3	89	78	70	63	87	77	69	63	74	67	62	71	65	61	68	64	60	57
4	82	69	60	54	79	68	60	53	66	58	52	63	57	52	61	56	51	49
5	75	62	53	46	73	61	52	46	59	51	45	57	50	45	55	49	44	42
6	69	56	47	40	67	55	46	40	53	45	40	51	44	39	50	44	39	37
7	64	51	42	35	63	50	41	35	48	41	35	47	40	35	45	39	35	33
8	60	46	38	32	58	45	37	32	44	37	31	43	36	31	42	36	31	29
9	56	42	34	28	54	42	34	28	41	33	28	40	33	28	38	32	28	26
10	52	39	31	26	51	39	31	26	38	30	26	37	30	25	36	30	25	24

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

	0°	45°	90°
0°	3404	3404	3404
5°	3372	3367	3382
10°	3334	3330	3365
15°	3286	3282	3348
20°	3224	3227	3325
25°	3146	3157	3288
30°	3060	3086	3247
35°	2979	3011	3204
40°	2894	2921	3151
45°	2788	2832	3083
50°	2695	2717	2986
55°	2591	2605	2879
60°	2486	2465	2737
65°	2340	2288	2545
70°	2162	2097	2369
75°	1952	1888	2163
80°	1667	1665	1988
85°	1418	1506	1901



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	119.7	3.3
10°-20°	343.0	9.3
20°-30°	517.6	14.1
30°-40°	621.3	16.9
40°-50°	642.9	17.5
50°-60°	582.5	15.9
60°-70°	448.8	12.2
70°-80°	277.7	7.6
80°-90°	115.3	3.1
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°	980.3	26.7
0°-40°	1601.5	43.7
0°-60°	2826.9	77.1
0°-90°	3668.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3668.7	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1265	1265	1265	1265	1265	
5°	1257	1257	1259	1259	1261	119
15°	1206	1208	1215	1223	1229	340
25°	1101	1105	1122	1141	1150	507
35°	960	967	992	1019	1032	600
45°	794	805	832	862	878	614
55°	618	628	649	677	687	553
65°	433	437	450	469	471	428
75°	246	252	261	273	273	261
85°	90	99	114	122	120	97
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1264.9	1264.9	1264.9	1264.9	1264.9
2.5°	1263.0	1263.0	1263.0	1263.0	1264.9
5°	1257.3	1257.3	1259.2	1259.2	1261.1
7.5°	1249.6	1249.6	1253.4	1253.4	1257.3
10°	1238.2	1240.1	1243.9	1245.8	1249.6
12.5°	1224.8	1224.8	1230.6	1236.3	1240.1
15°	1205.8	1207.7	1215.3	1222.9	1228.6
17.5°	1184.8	1186.7	1198.1	1205.8	1213.4
20°	1160.0	1161.9	1175.2	1186.7	1196.2
22.5°	1131.3	1135.2	1150.4	1165.7	1173.3
25°	1100.8	1104.6	1121.8	1140.9	1150.4
27.5°	1068.4	1074.1	1091.3	1112.3	1123.7
30°	1032.1	1039.8	1060.8	1083.6	1095.1
32.5°	995.9	1003.5	1026.4	1053.1	1064.6
35°	959.6	967.3	992.1	1018.8	1032.1
37.5°	919.6	927.2	953.9	982.5	997.8
40°	881.4	889.1	913.9	946.3	959.6
42.5°	839.4	847.1	873.8	904.3	919.6
45°	793.7	805.1	831.8	862.3	877.6
47.5°	751.7	761.2	786.0	818.5	833.7
50°	707.8	717.3	740.2	772.7	784.1
52.5°	663.9	673.5	696.4	726.9	738.3
55°	618.1	627.7	648.7	677.3	686.8
57.5°	574.3	581.9	601.0	627.7	635.3
60°	528.5	536.1	551.4	576.2	581.9
62.5°	478.9	484.6	501.8	524.7	532.3
65°	433.1	436.9	450.2	469.3	471.2
67.5°	385.4	389.2	402.6	415.9	421.6
70°	337.7	343.4	352.9	366.3	370.1
72.5°	291.9	297.6	307.2	318.6	320.5
75°	246.1	251.8	261.4	272.8	272.8
77.5°	202.2	208.0	219.4	228.9	228.9
80°	158.4	167.9	179.3	188.9	188.9
82.5°	122.1	129.7	145.0	152.6	152.6
85°	89.7	99.2	114.5	122.1	120.2
87.5°	64.9	74.4	87.8	93.5	91.6
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)